

R E C E I V E D

JUN 11 2005

(June 17, 05)

Department of Environmental Quality  
State Air Program

**Chevron Pipe Line Company  
Northwest Terminalling Company**

**Boise Terminal**

**Tier I Operating Permit Renewal Application**

**June 2005**

**Prepared By:**

**URS Corporation**

Permit No.: T1-050032

Facility ID No.: 001-00026

PID: 55TV:V040

Logged: ✓

*Harbi*

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**R E C E I V E D**

**JUN 13 2005**

**Department of Environmental Quality  
State Air Program**

**ChevronTexaco**

June 13, 2005

Martin Bauer, Administrator  
Air Quality Division  
Idaho Department of Environmental Quality  
1410 North Hilton  
Boise, Idaho 83706-1255

**Re: Tier I Permit Renewal – Chevron Pipeline Company and Northwest Terminalling Company, Boise Terminal, Permit Number 001-00026**

Dear Mr. Bauer:

Attached please find the Tier I permit renewal application for our Boise facility. The current Tier I permit for the facility will expire on December 19, 2005. This application is being submitted as required by IDAPA 58.01.01.313.03. All of the items contained in the Idaho Air Quality Operating Permit Application Checklist have been addressed. The application document has been organized in accordance with the Checklist.

The facility tank emissions were estimated using EPA's TANKS program, version 4.09b. The attachments include a CD containing the facility TANKS data.

If you have any questions regarding this submittal, please call Jim Robbins at (801) 975-2325.

Sincerely,

G.A. McKee

Enclosure

cc: Joe Watts  
George Odell  
Patti Garver, URS/Salt Lake City



DE/AFS/JF  
C: Bill (2)  
BRO - June

**Chevron Pipe Line Company  
Northwest Terminalling Company**

**Boise Terminal**

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## LIST OF ACRONYMS

<b>AP-42</b>	USEPA Compilation of Air Pollutant Emission Factors
<b>bbl</b>	barrels (equals 42 gallons)
<b>BTU</b>	British Thermal Units
<b>CFR</b>	Code of Federal Regulations
<b>CO</b>	Carbon Monoxide
<b>CPL</b>	Chevron Pipe Line Company
<b>HAP</b>	Hazardous Air Pollutant
<b>N/A</b>	Not Applicable
<b>NO<sub>x</sub></b>	Oxides of Nitrogen
<b>NWTC</b>	Northwest Terminalling Company
<b>PAE</b>	Potential Annual Emissions
<b>PERF</b>	Petroleum Environmental Research Forum
<b>PM<sub>10</sub></b>	Particulate Matter less than or equal to 10 micrometers in diameter
<b>SIC Code</b>	Standard Industrial Classification Code
<b>SIP</b>	State Implementation Plan
<b>SO<sub>2</sub></b>	Sulfur Dioxide
<b>TSP</b>	Total Suspended Particulate
<b>USEPA</b>	United States Environmental Protection Agency
<b>VES</b>	Vapor Extraction System
<b>VOC</b>	Volatile Organic Compound
<b>VOL</b>	Volatile Organic Liquid

## **SECTION 1**

### **Overview**

Chevron Pipe Line Company submits this renewal application for Operating Permit Number 001-00026 initially issued on December 19, 2000 for the Boise, Idaho facility. The facility consists of two separate operating companies, Chevron Pipe Line Company (CPL) - SIC code 4613 and Northwest Terminalling Company (NWTC) - SIC code 5171. Both companies are under the common ownership of Chevron Texaco Corporation and are operated by CPL. Although most of the emission sources have been assigned to either CPL or NWTC, only one operating permit was issued for the entire site.

### **Application Outline**

This application follows the outline suggested by the Air Quality Operating Permit Application Checklist prepared by the Idaho Division of Environmental Quality. Therefore, following Section 1, which includes an introduction to the Boise site and an emission summary for the facility, Section 2 contains the completed state supplied application forms. Section 3 describes each significant emission source at the facility. This section also includes a list of all insignificant emissions sources and the reason they are considered insignificant. Section 4 contains a flow diagram for the facility. Section 5 contains plot plans for the facility. Section 6 contains emission calculations, references, and documentation of the sources included in Section 3. A table summarizing emissions is presented for each source. Section 7 addresses excess emission documentation. Section 8 discusses the ambient air impact analysis for the facility. Section 9 presents a determination of compliance status and the compliance demonstration plan.

### **Marketing Terminal/Pipeline Breakout Station**

Refined petroleum products, including gasoline, diesel fuel, and jet fuel, are transported to the Boise terminal via an underground pipeline system owned by CPL. In addition to Chevron Texaco products, several other oil companies transport their refined petroleum liquids through this pipeline as well. When a product reaches the Boise station, it is either transferred into marketing terminal storage tanks owned by NWTC, transferred to other operating terminals, or transferred into pipeline breakout storage tanks owned by CPL.

Fuel stored in the marketing terminal tanks is distributed into tanker trucks at the truck loading rack. The truck loading rack, which began operation in March, 1994, is equipped with a state-of-the-art vapor containment and destruction system. Fuel stored in CPL's pipeline breakout tanks is transferred back into the pipeline system and shipped north to Washington, transferred to NWTC's storage tanks or transferred to other operating terminals located in Boise.

### **Swing Tanks**

While many of the tanks at both CPL and NWTC are dedicated to contain only one product, several tanks may contain different products depending on the immediate storage needs. These tanks are known as swing tanks and have been so designated on the appropriate Title V

application pages and emissions calculations tables. These tanks are assumed to contain gasoline six months of the year and diesel or jet fuel six months of the year.

### Additive Tanks

The various petroleum companies that store petroleum products at the Boise terminal have different fuel additives that are added to the products at the time of truck loading. These additives are stored in dedicated tanks, near the truck loading rack. The composition of these additives is known only to the extent the information is provided in the additive Material Safety Data Sheets. This information has been used to calculate the potential emissions from these storage tanks. However, fuel additives and their composition change from time to time. Rather than request a permit modification each time an additive is replaced or modified, any changes in additives that will affect emissions will be identified on the yearly emissions inventory. The change in emissions from these sources is not expected to be significant.

### Major Differences From Original Application

Since the original Title V Operating Permit Application was submitted in 1995, some minor changes have occurred at the CPL Boise facility. The changes are as follows:

- 40 CFR Subpart Kb was found to apply to tanks 202, 203, 204 and 206.
- secondary seals have been installed on tanks 12, 13, 164, 165, 166, 200, 208 and 209;
- gauge well controls were installed on tanks 164, 165, 166, 200 and 205;
- floats, sleeves, and wipers were installed on tanks 202, 203, 204, and 206;
- a drag reducing agent, which is stored in a fixed roof storage tank, was introduced to the entire system in 2002 to increase the pipeline product flow rate, which was expected to increase the potential throughput at the Boise Terminal by 915,000 barrels per year; and
- additional emission changes were realized for the facility by using EPA's TANKS program, version 4.09b, to estimate storage tank emissions and PERF data for hazardous air pollutant speciation, and as a result of updates to the equipment leak emission factors.

The above changes decreased the overall volatile organic compound (VOC) potential emissions at the facility by approximately 30 tons per year.

### Summary Tables

Emissions of regulated pollutants are summarized on the following tables. These tables present potential emissions for the Boise Terminal. Tables 1-1 and 1-2 present the potential VOC and hazardous air pollutant (HAP) emissions for CPL in tons/year and pounds/hour, respectively. Tables 1-3 and 1-4 show the potential VOC and HAP emissions from NWTC, first in tons/years, then in pounds/hour. Table 1-5 shows the fuel and additive composition data, and identifies each HAP by its Chemical Abstract Service number.

CPL

Table 1-1

CHEVRON PIPE LINE COMPANY BOISE STATION POTENTIAL VOC EMISSIONS SUMMARY AND HAP DATA			ASSUMPTIONS AND OTHER INFO:														
			1) Maintenance assumed to add an additional 2% to the total facility emissions.														
			2) HAP concentrations based as specified in Table 1-5.														
			3) Vapor extraction system (VES) natural gas combustion VOC's are accounted for in the ground vapors, while HAP's are not. Maximum usage is 1500 scf/hour.														
(TONS PER YEAR)	Potential VOCs		540-84-2	71-43-2	92-52-4	1319-77-3	98-82-8	100-41-4	110-54-3	1634-04-4	91-20-3	108-95-2	100-42-5	108-88-3	1330-20-7	Total HAPs	
Fugitive sources:																	
Separators	2.63	5.2E-02	3.4E-02				3.9E-03	2.4E-02	3.5E-02		8.0E-03		2.0E-03	1.4E-01	1.3E-01	4.3E-01	
Valves - liquid	0.34	6.7E-03	4.4E-03				5.1E-04	3.2E-03	4.6E-03		1.0E-03		2.7E-04	1.8E-02	1.7E-02	5.5E-02	
Fittings - liquid	7.1E-02	1.4E-03	9.2E-04				1.1E-04	6.6E-04	9.5E-04		2.2E-04		5.6E-05	3.7E-03	3.5E-03	1.2E-02	
Pump Seals	3.1E-02	6.1E-04	4.0E-04				4.7E-05	2.9E-04	4.2E-04		9.5E-05		2.4E-05	1.6E-03	1.5E-03	5.1E-03	
Others - liquid	0.11	2.1E-03	1.4E-03				1.6E-04	9.8E-04	1.4E-03		3.2E-04		8.2E-05	5.5E-03	5.2E-03	1.7E-02	
<b>TOTAL</b>	<b>3.18</b>	<b>6.2E-02</b>	<b>4.1E-02</b>	<b>0.0E+00</b>	<b>0.0E+00</b>		<b>4.8E-03</b>	<b>2.9E-02</b>	<b>4.3E-02</b>	<b>0.0E+00</b>	<b>9.6E-03</b>	<b>0.0E+00</b>	<b>2.5E-03</b>	<b>1.7E-01</b>	<b>1.6E-01</b>	<b>5.2E-01</b>	
Fixed roof tanks																	
9	Transmix	4.02	1.22E-02	1.57E-02	0.00E+00	0.00E+00	7.69E-05	1.02E-03	2.69E-02		7.54E-06	0.00E+00	5.67E-05	1.78E-02	4.49E-03	7.8E-02	
14	Transmix	9.79	2.97E-02	3.84E-02	0.00E+00	0.00E+00	1.88E-04	2.48E-03	6.56E-02		1.84E-05	0.00E+00	1.38E-04	4.35E-02	1.10E-02	1.9E-01	
162	Jet Fuel	4.00E-01	0.00E+00	0.00E+00	6.24E-05	2.51E-05	2.04E-03	1.11E-02	2.98E-02		4.65E-04	5.11E-05	0.00E+00	4.74E-02	3.60E-02	0.13	
163	Diesel	2.97E-01	4.82E-03	0.00E+00	2.31E-05	4.29E-05	7.99E-04	2.07E-03	2.09E-02		2.75E-04	4.55E-04	0.00E+00	1.10E-02	7.25E-03	0.05	
201	Diesel	1.35	2.20E-02	0.00E+00	1.05E-04	1.96E-04	3.64E-03	9.44E-03	9.51E-02		1.25E-03	2.07E-03	0.00E+00	5.02E-02	3.30E-02	0.22	
400	Transmix/Water	2.79	8.44E-03	1.09E-02	0.00E+00	0.00E+00	5.34E-05	7.08E-04	1.87E-02		5.24E-06	0.00E+00	3.94E-05	1.24E-02	3.12E-03	5.4E-02	
401	Transmix/Water	5.52	1.67E-02	2.16E-02	0.00E+00	0.00E+00	1.06E-04	1.40E-03	3.70E-02		1.04E-05	0.00E+00	7.80E-05	2.45E-02	6.18E-03	1.1E-01	
402	Transmix/Water	5.52	1.67E-02	2.16E-02	0.00E+00	0.00E+00	1.06E-04	1.40E-03	3.70E-02		1.04E-05	0.00E+00	7.80E-05	2.45E-02	6.18E-03	1.1E-01	
403	Transmix/Water	10.98	3.32E-02	4.30E-02	0.00E+00	0.00E+00	2.10E-04	2.79E-03	7.35E-02		2.06E-05	0.00E+00	1.55E-04	4.87E-02	1.23E-02	2.1E-01	
404	Transmix/Water	10.98	3.32E-02	4.30E-02	0.00E+00	0.00E+00	2.10E-04	2.79E-03	7.35E-02		2.06E-05	0.00E+00	1.55E-04	4.87E-02	1.23E-02	2.1E-01	
<b>TOTAL</b>	<b>51.65</b>	<b>1.8E-01</b>	<b>1.9E-01</b>	<b>1.9E-04</b>	<b>2.6E-04</b>		<b>7.4E-03</b>	<b>3.5E-02</b>	<b>4.8E-01</b>	<b>0.0E+00</b>	<b>2.1E-03</b>	<b>2.6E-03</b>	<b>7.0E-04</b>	<b>3.3E-01</b>	<b>1.3E-01</b>	<b>1.4E+00</b>	
External floating roofs																	
164	Mid-grade	2.04	6.60E-03	8.23E-03	0.00E+00	0.00E+00	7.72E-05	7.50E-04	1.38E-02		8.19E-05	0.00E+00	4.86E-05	1.03E-02	3.52E-03	0.04	
	Jet Fuel	5.82E-02	0.00E+00	0.00E+00	1.13E-04	1.74E-05	6.05E-05	2.25E-04	3.75E-04		1.74E-04	1.77E-05	0.00E+00	7.00E-04	7.92E-04	2.5E-03	
165	Gasoline	2.14	8.61E-03	9.55E-03	0.00E+00	0.00E+00	2.30E-04	1.70E-03	1.52E-02		3.91E-04	0.00E+00	1.28E-04	1.57E-02	8.54E-03	0.06	
166	Unleaded	2.07	7.26E-03	8.66E-03	0.00E+00	0.00E+00	1.27E-04	1.06E-03	1.43E-02		1.83E-04	0.00E+00	7.46E-05	1.20E-02	5.16E-03	0.05	
200	Unleaded	3.09	1.17E-02	1.34E-02	0.00E+00	0.00E+00	2.67E-04	2.05E-03	2.16E-02		4.31E-04	0.00E+00	1.51E-04	2.05E-02	1.02E-02	0.08	
202	Unleaded	2.09	8.18E-03	9.19E-03	0.00E+00	0.00E+00	2.05E-04	1.54E-03	1.47E-02		3.42E-04	0.00E+00	1.15E-04	1.46E-02	7.69E-03	0.06	
203	Supreme	2.09	8.20E-03	9.21E-03	0.00E+00	0.00E+00	2.07E-04	1.55E-03	1.48E-02		3.45E-04	0.00E+00	1.16E-04	1.47E-02	7.75E-03	0.06	
204	Supreme	1.11E-01	7.34E-05	0.00E+00	7.64E-05	5.41E-05	3.57E-05	5.71E-05	2.79E-04		1.86E-04	2.84E-04	0.00E+00	1.92E-04	2.22E-04	1.5E-03	
	Diesel	1.53	5.20E-03	6.31E-03	0.00E+00	0.00E+00	7.92E-05	6.92E-04	1.05E-02		1.05E-04	0.00E+00	4.74E-05	8.42E-03	3.33E-03	0.03	
205	Supreme	1.58	6.08E-03	6.89E-03	0.00E+00	0.00E+00	1.46E-04	1.11E-03	1.11E-02		1.27E-04	1.94E-04	0.00E+00	1.41E-04	1.58E-04	1.0E-03	
	Diesel	7.49E-02	5.45E-05	0.00E+00	5.14E-05	3.65E-05	2.49E-05	4.06E-05	2.10E-04		2.41E-04	0.00E+00	8.24E-05	1.08E-02	5.53E-03	4.2E-02	
206	Unleaded	1.57	6.05E-03	6.87E-03	0.00E+00	0.00E+00	1.44E-04	1.09E-03	1.11E-02		1.25E-04	1.92E-04	0.00E+00	1.41E-04	1.57E-04	1.0E-03	
	Diesel	7.59E-02	5.44E-05	0.00E+00	5.21E-05	3.70E-05	2.51E-05	4.08E-05	2.09E-04		2.36E-04	0.00E+00	8.12E-05	1.07E-02	5.45E-03	0.04	
207	Supreme	14.02	4.37E-02	5.56E-02	0.00E+00	0.00E+00	3.82E-04	4.25E-03	9.44E-02		1.27E-04	1.94E-04	0.00E+00	1.41E-04	1.58E-04	1.0E-03	
	Diesel	9.93E-02	4.35E-04	0.00E+00	5.39E-05	4.03E-05	8.82E-05	2.05E-04	1.86E-03		2.59E-04	0.00E+00	2.57E-04	6.59E-02	1.94E-02	0.28	
<b>TOTAL</b>	<b>32.72</b>	<b>1.1E-01</b>	<b>1.3E-01</b>	<b>4.0E-04</b>	<b>2.2E-04</b>		<b>2.1E-03</b>	<b>1.6E-02</b>	<b>2.2E-01</b>	<b>0.0E+00</b>	<b>3.5E-03</b>	<b>1.1E-03</b>	<b>1.1E-03</b>	<b>1.9E-01</b>	<b>7.9E-02</b>	<b>7.6E-01</b>	
Vapor Extraction System (VES)																	
HC vapors	25.00	8.0E-02	5.3E-02				5.0E-04	6.6E-03	1.8E-01		4.7E-05		3.7E-04	1.2E-01	3.2E-02	4.7E-01	
Natural Gas Usage*	See Note 3	0.0E+00	3.2E-06						2.7E-03		0.0E+00			5.1E-06	0.0E+00	2.7E-03	
<b>TOTAL</b>	<b>25.0</b>	<b>8.0E-02</b>	<b>5.3E-02</b>	<b>0.0E+00</b>	<b>0.0E+00</b>		<b>5.0E-04</b>	<b>6.6E-03</b>	<b>1.8E-01</b>		<b>0.0E+00</b>	<b>4.7E-05</b>	<b>0.0E+00</b>	<b>3.7E-04</b>	<b>1.2E-01</b>	<b>3.2E-02</b>	<b>4.7E-01</b>
Maintenance	2.3	3.5E-01	0.45				2.2E-03	2.9E-02	0.77		2.1E-04		1.6E-03	0.51	0.14	2.25	
<b>TOTAL FACILITY EMISSIONS</b>	<b>114.8</b>	<b>7.8E-01</b>	<b>8.7E-01</b>	<b>5.9E-04</b>	<b>4.9E-04</b>	<b>1.7E-02</b>	<b>1.2E-01</b>	<b>1.7E+00</b>	<b>0.0E+00</b>	<b>1.5E-02</b>	<b>3.7E-03</b>	<b>6.3E-03</b>	<b>1.3E+00</b>	<b>5.4E-01</b>	<b>5.4E+00</b>		

Note: All Tank emissions are based on TANKS results. Data is contained in electronic TANKS files.

\*Natural Gas combustion also results in formaldehyde emissions of 1.13E-04 tons/yr

CPL

Table 1-2

CHEVRON PIPE LINE COMPANY BOISE STATION POTENTIAL VOC EMISSIONS SUMMARY AND HAP DATA			ASSUMPTIONS AND OTHER INFO:														
			1) Maintenance assumed to add an additional 2% to the total facility emissions. 2) HAP concentrations based as specified in Table 1-5. 3) Vapor extraction system (VES) natural gas combustion VOC's are accounted for in the ground vapors, while HAP's are not. Maximum usage is 1500 sc														
(POUNDS PER HOUR)		Potential VOCs	540-84-2	71-43-2	92-52-4	1319-77-3	98-82-8	100-41-4	110-54-3	1634-04-4	91-20-3	108-95-2	100-42-5	108-88-3	1330-20-7	Total HAPs	
Fugitive sources:																	
Separators		6.0E-01	1.2E-02	7.8E-03			9.0E-04	5.6E-03	8.0E-03		1.8E-03		4.7E-04	3.1E-02	2.9E-02	9.7E-02	
Valves - liquid		7.8E-02	1.5E-03	1.0E-03			1.2E-04	7.2E-04	1.0E-03		2.4E-04		6.1E-05	4.1E-03	3.8E-03	1.3E-02	
Fittings - liquid		1.6E-02	3.2E-04	2.1E-04			2.4E-05	1.5E-04	2.2E-04		4.9E-05		1.3E-05	8.5E-04	8.0E-04	2.6E-03	
Pump Seals		7.1E-03	1.4E-04	9.2E-05			1.1E-05	6.6E-05	9.6E-05		2.2E-05		5.6E-06	3.7E-04	3.5E-04	1.2E-03	
Others - liquid		2.4E-02	4.7E-04	3.1E-04			3.6E-05	2.2E-04	3.2E-04		7.3E-05		1.9E-05	1.3E-03	1.2E-03	3.9E-03	
TOTAL		0.73	1.4E-02	9.4E-03	0.0E+00	0.0E+00	1.1E-03	6.7E-03	9.7E-03	0.0E+00	2.2E-03	0.0E+00	5.7E-04	3.8E-02	3.6E-02	1.2E-01	
Fixed roof tanks																	
9	Transmix	9.2E-01	2.8E-03	3.6E-03	0.0E+00	0.0E+00	1.8E-05	2.3E-04	6.1E-03		1.7E-06	0.0E+00	1.3E-05	4.1E-03	1.0E-03	1.8E-02	
14	Transmix	2.24	6.8E-03	8.8E-03	0.0E+00	0.0E+00	4.3E-05	5.7E-04	1.5E-02		4.2E-06	0.0E+00	3.2E-05	9.9E-03	2.5E-03	4.4E-02	
162	Jet A	9.1E-02	0.0E+00	0.0E+00	1.4E-05	5.7E-06	4.7E-04	2.5E-03	6.8E-03		1.1E-04	1.2E-05	0.0E+00	1.1E-02	8.2E-03	2.9E-02	
163	Diesel	6.8E-02	1.1E-03	0.0E+00	5.3E-06	9.8E-06	1.8E-04	4.7E-04	4.8E-03		6.3E-05	1.0E-04	0.0E+00	2.5E-03	1.7E-03	1.1E-02	
201	Diesel	0.31	5.0E-03	0.0E+00	2.4E-05	4.5E-05	8.3E-04	2.2E-03	2.2E-02		2.9E-04	4.7E-04	0.0E+00	1.1E-02	7.5E-03	5.0E-02	
400	Transmix/Water	6.4E-01	1.9E-03	2.5E-03	0.0E+00	0.0E+00	1.2E-05	1.6E-04	4.3E-03		1.2E-06	0.0E+00	9.0E-06	2.8E-03	7.1E-04	1.2E-02	
401	Transmix/Water	1.26	3.8E-03	4.9E-03	0.0E+00	0.0E+00	2.4E-05	3.2E-04	8.4E-03		2.4E-06	0.0E+00	1.8E-05	5.6E-03	1.4E-03	2.5E-02	
402	Transmix/Water	1.26	3.8E-03	4.9E-03	0.0E+00	0.0E+00	2.4E-05	3.2E-04	8.4E-03		2.4E-06	0.0E+00	1.8E-05	5.6E-03	1.4E-03	2.5E-02	
403	Transmix/Water	2.51	7.6E-03	9.8E-03	0.0E+00	0.0E+00	4.8E-05	6.4E-04	1.7E-02		4.7E-06	0.0E+00	3.5E-05	1.1E-02	2.8E-03	4.9E-02	
404	Transmix/Water	2.51	7.6E-03	9.8E-03	0.0E+00	0.0E+00	4.8E-05	6.4E-04	1.7E-02		4.7E-06	0.0E+00	3.5E-05	1.1E-02	2.8E-03	4.9E-02	
TOTAL		11.8	4.0E-02	4.4E-02	4.4E-05	6.0E-05	1.7E-03	8.0E-03	1.1E-01	0.0E+00	4.8E-04	5.9E-04	1.6E-04	7.5E-02	3.0E-02	3.1E-01	
External floating roofs																	
164	Mid-grade	0.47	1.5E-03	1.9E-03	0.0E+00	0.0E+00	1.8E-05	1.7E-04	3.2E-03		1.9E-05	0.0E+00	1.1E-05	2.4E-03	8.0E-04	0.01	
	Jet Fuel	1.3E-02	0.0E+00	0.0E+00	2.6E-05	4.0E-06	1.4E-05	5.1E-05	8.6E-05		4.0E-05	4.0E-06	0.0E+00	1.6E-04	1.8E-04	5.7E-04	
165	Gasoline	0.49	2.0E-03	2.2E-03	0.0E+00	0.0E+00	5.3E-05	3.9E-04	3.5E-03		8.9E-05	0.0E+00	2.9E-05	3.6E-03	1.9E-03	0.01	
166	Unleaded	0.47	1.7E-03	2.0E-03	0.0E+00	0.0E+00	2.9E-05	2.4E-04	3.3E-03		4.2E-05	0.0E+00	1.7E-05	2.8E-03	1.2E-03	0.01	
200	Unleaded	0.71	2.7E-03	3.1E-03	0.0E+00	0.0E+00	6.1E-05	4.7E-04	4.9E-03		9.8E-05	0.0E+00	3.5E-05	4.7E-03	2.3E-03	0.02	
202	Unleaded	0.48	1.9E-03	2.1E-03	0.0E+00	0.0E+00	4.7E-05	3.5E-04	3.4E-03		7.8E-05	0.0E+00	2.6E-05	3.3E-03	1.8E-03	0.01	
203	Supreme	0.48	1.9E-03	2.1E-03	0.0E+00	0.0E+00	4.7E-05	3.5E-04	3.4E-03		7.9E-05	0.0E+00	2.6E-05	3.4E-03	1.8E-03	1.3E-02	
	Diesel	2.5E-02	1.7E-05	0.0E+00	1.7E-05	1.2E-05	8.2E-06	1.3E-05	6.4E-05		4.2E-05	6.5E-05	0.0E+00	4.4E-05	5.1E-05	3.3E-04	
204	Supreme	0.35	1.2E-03	1.4E-03	0.0E+00	0.0E+00	1.8E-05	1.6E-04	2.4E-03		2.4E-05	0.0E+00	1.1E-05	1.9E-03	7.6E-04	7.9E-03	
	Diesel	1.7E-02	1.2E-05	0.0E+00	1.2E-05	8.4E-06	5.7E-06	9.3E-06	4.8E-05		2.9E-05	4.4E-05	0.0E+00	3.2E-05	3.6E-05	2.4E-04	
205	Supreme	0.36	1.4E-03	1.6E-03	0.0E+00	0.0E+00	3.3E-05	2.5E-04	2.5E-03		5.5E-05	0.0E+00	1.9E-05	2.5E-03	1.3E-03	9.6E-03	
	Diesel	1.7E-02	1.2E-05	0.0E+00	1.2E-05	8.3E-06	5.7E-06	9.3E-06	4.8E-05		2.9E-05	4.4E-05	0.0E+00	3.2E-05	3.6E-05	2.4E-04	
206	Unleaded	0.36	1.4E-03	1.6E-03	0.0E+00	0.0E+00	3.3E-05	2.5E-04	2.5E-03		5.4E-05	0.0E+00	1.9E-05	2.4E-03	1.2E-03	0.01	
	Diesel	1.7E-02	1.2E-05	0.0E+00	1.2E-05	8.4E-06	5.7E-06	9.3E-06	4.8E-05		2.9E-05	4.4E-05	0.0E+00	3.2E-05	3.6E-05	2.4E-04	
207	Supreme	3.20	1.0E-02	1.3E-02	0.0E+00	0.0E+00	8.7E-05	9.7E-04	2.2E-02		5.9E-05	0.0E+00	5.9E-05	1.5E-02	4.4E-03	0.06	
	Diesel	2.3E-02	9.9E-05	0.0E+00	1.2E-05	9.2E-06	2.0E-05	4.7E-05	4.2E-04		3.4E-05	5.3E-05	0.0E+00	2.3E-04	1.7E-04	1.1E-03	
TOTAL		7.5	2.6E-02	3.1E-02	9.1E-05	5.1E-05	4.9E-04	3.7E-03	5.1E-02	0.0E+00	8.0E-04	2.5E-04	2.5E-04	4.2E-02	1.8E-02	1.7E-01	
Vapor Extraction System																	
HC vapors		5.71	1.8E-02	1.2E-02				1.1E-04	1.5E-03	4.1E-02		1.1E-05		8.4E-05	2.7E-02	7.3E-03	1.1E-01
Natural Gas Usage*	See Note 3		0.0E+00	7.2E-07						6.2E-04		0.0E+00			1.2E-06	0.0E+00	6.2E-04
TOTAL		5.71	1.8E-02	1.2E-02	0.0E+00	0.0E+00	1.1E-04	1.5E-03	4.2E-02	0.0E+00	1.1E-05	0.0E+00	8.4E-05	2.7E-02	7.3E-03	1.1E-01	
Maintenance		0.51	7.9E-02	0.10				5.0E-04	6.7E-03	0.18		4.8E-05		3.7E-04	0.12	3.2E-02	0.51
TOTAL FACILITY EMISSIONS		26.2	1.8E-01	2.0E-01	1.3E-04	1.1E-04	3.9E-03	2.7E-02	3.9E-01	0.0E+00	3.5E-03	8.4E-04	1.4E-03	3.0E-01	1.2E-01	1.2E+00	

Note: All Tank emissions are based on TANKS results. Data is contained in electronic TANKS files.

\*Natural Gas combustion also results in formaldehyde emissions of 2.57E-05 lb/hr

NWTC

Table 1-3

NORTHWEST TERMINALLING COMPANY BOISE TERMINAL POTENTIAL VOC EMISSIONS SUMMARY AND HAP DATA			ASSUMPTIONS AND OTHER INFO:													
			1) Maintenance assumed to add an additional 2% to the total facility emissions.													
			2) HAP concentrations as specified in Table 1-5.													
			3) Vapor destruction unit (VDU) natural gas combustion VOC's are accounted for in the truck loading section, while HAP's are not.													
(TONS PER YEAR)	Potential VOCs		540-84-1	71-43-2	92-52-4	1319-77-3	98-82-8	100-41-4	110-54-3	1634-04-4	91-20-3	108-95-2	100-42-5	108-88-3	1330-20-7	Total HAPs
Fugitive sources:																
Valves - liquid	0.22	4.4E-03	2.9E-03				3.3E-04	2.1E-03	3.0E-03		6.8E-04		1.7E-04	1.2E-02	1.1E-02	3.6E-02
Valves - vapor	2.5E-04	3.9E-05	5.0E-05				2.5E-07	3.3E-06	8.6E-05		2.4E-08		1.8E-07	5.7E-05	1.6E-05	2.5E-04
Fittings - liquid	5.7E-02	1.1E-03	7.3E-04				8.5E-05	5.2E-04	7.6E-04		1.7E-04		4.4E-05	3.0E-03	2.8E-03	9.2E-03
Fittings - vapor	2.1E-02	3.2E-03	4.2E-03				2.1E-05	2.7E-04	7.2E-03		2.0E-06		1.5E-05	4.8E-03	1.3E-03	2.1E-02
Pump Seals	8.9E-02	1.7E-03	1.1E-03				1.3E-04	8.2E-04	1.2E-03		2.7E-04		6.9E-05	4.7E-03	4.4E-03	1.4E-02
Others - liquid	5.4E-02	1.1E-03	7.0E-04				8.1E-05	5.0E-04	7.2E-04		1.6E-04		4.2E-05	2.8E-03	2.6E-03	8.7E-03
<b>TOTAL</b>	<b>0.44</b>	<b>1.2E-02</b>	<b>9.7E-03</b>	<b>0.0E+00</b>	<b>0.0E+00</b>	<b>6.5E-04</b>	<b>4.2E-03</b>	<b>1.3E-02</b>	<b>0.0E+00</b>	<b>1.3E-03</b>	<b>0.0E+00</b>	<b>3.4E-04</b>	<b>2.7E-02</b>	<b>2.2E-02</b>	<b>9.0E-02</b>	
Fixed roof tanks																
1	Jet Fuel	1.68E-01	0.00E+00	0.00E+00	2.62E-05	1.05E-05	8.55E-04	4.65E-03	1.25E-02		1.95E-04	2.15E-05	0.00E+00	1.99E-02	1.51E-02	0.05
2	Jet Fuel	1.17E-01	0.00E+00	0.00E+00	1.83E-05	7.37E-06	5.98E-04	3.26E-03	8.75E-03		1.37E-04	1.50E-05	0.00E+00	1.39E-02	1.06E-02	3.7E-02
3	Jet Fuel	1.17E-01	0.00E+00	0.00E+00	1.83E-05	7.37E-06	5.98E-04	3.26E-03	8.75E-03		1.37E-04	1.50E-05	0.00E+00	1.39E-02	1.06E-02	3.7E-02
6	HS Diesel #2	2.14E-01	3.47E-03	0.00E+00	1.66E-05	3.09E-05	5.74E-04	1.49E-03	1.50E-02		1.98E-04	3.27E-04	0.00E+00	7.93E-03	5.21E-03	0.03
7	LS Diesel #2	3.45E-01	5.59E-03	0.00E+00	2.68E-05	4.98E-05	9.27E-04	2.40E-03	2.42E-02		3.19E-04	5.28E-04	0.00E+00	1.26E-02	8.41E-03	0.06
167	Transmix	11.45	3.47E-02	4.49E-02	0.00E+00	0.00E+00	2.19E-04	2.90E-03	7.67E-02		2.15E-05	0.00E+00	1.62E-04	5.08E-02	1.28E-02	0.22
A201	OGA 493Q	8.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	1.6E-03
A202	OGA 477GYW	7.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	1.1E-03
A203	Super Clean	5.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	2.1E-03
A204	Starrecon	6.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		8.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.2E-06
A205	Red B D50	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	0.00E+00			0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03	3.2E-03
A206	Phase V	4.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
A207	NAP 96	7.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	3.4E-04
<b>TOTAL</b>		<b>12.45</b>	<b>4.37E-02</b>	<b>4.49E-02</b>	<b>1.06E-04</b>	<b>1.06E-04</b>	<b>4.30E-03</b>	<b>2.01E-02</b>	<b>1.46E-01</b>	<b>0.00E+00</b>	<b>1.01E-03</b>	<b>9.06E-04</b>	<b>1.62E-04</b>	<b>1.19E-01</b>	<b>6.84E-02</b>	<b>4.49E-01</b>
Floating roof tanks																
4	Diesel	2.2E-02	6.73E-05	0.00E+00	1.27E-05	9.33E-06	1.50E-05	3.31E-05	2.85E-04		3.35E-05	5.17E-05	0.00E+00	1.58E-04	1.19E-04	7.8E-04
5	Unleaded	2.06	6.92E-03	8.45E-03	0.00E+00	0.00E+00	9.99E-05	8.90E-04	1.41E-02		1.27E-04	0.00E+00	6.04E-05	1.11E-02	4.26E-03	4.6E-02
8	Unleaded	2.04	7.17E-03	8.53E-03	0.00E+00	0.00E+00	1.28E-04	1.06E-03	1.41E-02		1.85E-04	0.00E+00	7.46E-05	1.19E-02	5.15E-03	4.8E-02
12	Mid-Grade	13.86	4.30E-02	5.49E-02	0.00E+00	0.00E+00	3.61E-04	4.10E-03	9.32E-02		2.22E-04	0.00E+00	2.45E-04	6.46E-02	1.86E-02	0.28
13	Supreme	1.41	5.39E-03	6.14E-03	0.00E+00	0.00E+00	1.27E-04	9.65E-04	9.90E-03		2.07E-04	0.00E+00	7.15E-05	9.50E-03	4.81E-03	3.7E-02
208	Unleaded	14.13	4.46E-02	5.64E-02	0.00E+00	0.00E+00	4.32E-04	4.57E-03	9.54E-02		3.57E-04	0.00E+00	2.83E-04	6.80E-02	2.10E-02	0.29
209	Unleaded	14.13	4.46E-02	5.64E-02	0.00E+00	0.00E+00	4.32E-04	4.57E-03	9.54E-02		3.57E-04	0.00E+00	2.83E-04	6.80E-02	2.10E-02	0.29
<b>TOTAL</b>		<b>47.65</b>	<b>1.5E-01</b>	<b>1.9E-01</b>	<b>1.3E-05</b>	<b>9.3E-06</b>	<b>1.6E-03</b>	<b>1.6E-02</b>	<b>3.2E-01</b>	<b>0.0E+00</b>	<b>1.5E-03</b>	<b>5.2E-05</b>	<b>1.0E-03</b>	<b>2.3E-01</b>	<b>7.5E-02</b>	<b>9.9E-01</b>
Truck loading VDU Stack																
Gasoline	31.37	0.10	0.13				6.2E-04	8.3E-03	0.22		5.8E-05		4.6E-04	0.15	4.0E-02	0.65
Gasoline (uncontrolled)	7.10	0.02	0.03				1.4E-04	1.9E-03	0.05		1.3E-05		1.0E-04	0.03	9.1E-03	0.15
Transmix	7.80	1.2E+00	1.6E+00				7.6E-03	1.0E-01	2.7E+00		7.3E-04		5.6E-03	1.8E+00	4.8E-01	7.8E+00
Jet Fuel	0.75			8.7E-05	4.8E-05	3.1E-03	1.7E-02	0.04		6.9E-04	7.8E-05		7.1E-02	5.9E-02	0.20	
Diesel	1.10	1.2E-02		5.3E-05	1.3E-04	2.0E-03	5.2E-03	5.2E-02		6.6E-04	1.1E-03		0.03	2.0E-02	0.12	
Natural Gas Usage	See note 3	3.5E-06	3.5E-06								3.4E-05			1.1E-06	4.1E-07	4.2E-05
<b>TOTAL</b>	<b>48.1</b>	<b>1.3E+00</b>	<b>1.72</b>	<b>1.4E-04</b>	<b>1.8E-04</b>	<b>1.3E-02</b>	<b>1.3E-01</b>	<b>3.04</b>	<b>0.00</b>	<b>2.2E-03</b>	<b>1.2E-03</b>	<b>6.2E-03</b>	<b>2.05</b>	<b>0.61</b>	<b>8.92</b>	
Maintenance	2.2	3.4E-01	0.43				2.1E-03	2.8E-02	0.74		2.0E-04		1.6E-03	0.49	0.13	2.17
<b>TOTAL FACILITY EMISSIONS</b>	<b>110.8</b>	<b>1.9E+00</b>	<b>2.40</b>	<b>2.6E-04</b>	<b>3.0E-04</b>	<b>2.2E-02</b>	<b>2.0E-01</b>	<b>4.26</b>	<b>0.00</b>	<b>6.2E-03</b>	<b>2.2E-03</b>	<b>9.3E-03</b>	<b>2.92</b>	<b>0.91</b>	<b>12.62</b>	

Note: All Tank emissions are based on TANKS results. Data is contained in electronic TANKS files.

NWTC

Table 1-4

NORTHWEST TERMINALLING COMPANY BOISE TERMINAL POTENTIAL VOC EMISSIONS SUMMARY AND HAP DATA			ASSUMPTIONS AND OTHER INFO:													
			1) Maintenance assumed to add an additional 2% to the total facility emissions. 2) HAP concentrations as specified in Table 1-5. 3) Vapor destruction unit (VDU) natural gas combustion VOC's are accounted for in the truck loading section, while HAP's are not.													
(POUNDS PER HOUR)	Potential VOCs	540-84-1	71-43-2	92-52-4	1319-77-3	98-82-8	100-41-4	110-54-3	1634-04-4	91-20-3	108-95-2	100-42-5	108-88-3	1330-20-7	Total HAPs	
Fugitive sources:																
Valves - liquid	5.1E-02	1.0E-03	6.6E-04			7.6E-05	4.7E-04	6.8E-04		1.5E-04		4.0E-05	2.7E-03	2.5E-03	8.3E-03	
Valves - vapor	5.7E-05	8.9E-06	1.1E-05			5.6E-08	7.4E-07	2.0E-05		5.4E-09		4.1E-08	1.3E-05	3.6E-06	5.7E-05	
Fittings - liquid	1.3E-02	2.5E-04	1.7E-04			1.9E-05	1.2E-04	1.7E-04		3.9E-05		1.0E-05	6.8E-04	6.3E-04	2.1E-03	
Fittings - vapor	4.8E-03	7.4E-04	9.6E-04			4.7E-06	6.2E-05	1.6E-03		4.5E-07		3.5E-06	1.1E-03	3.0E-04	4.8E-03	
Pump Seals	2.0E-02	4.0E-04	2.6E-04			3.0E-05	1.9E-04	2.7E-04		6.1E-05		1.6E-05	1.1E-03	9.9E-04	3.3E-03	
Others - liquid	1.2E-02	2.4E-04	1.6E-04			1.8E-05	1.1E-04	1.6E-04		3.7E-05		9.6E-06	6.5E-04	6.0E-04	2.0E-03	
<b>TOTAL</b>	<b>0.10</b>	<b>2.6E-03</b>	<b>2.2E-03</b>	<b>0.0E+00</b>	<b>0.0E+00</b>	<b>1.5E-04</b>	<b>9.5E-04</b>	<b>2.9E-03</b>	<b>0.0E+00</b>	<b>2.9E-04</b>	<b>0.0E+00</b>	<b>7.9E-05</b>	<b>6.2E-03</b>	<b>5.0E-03</b>	<b>2.0E-02</b>	
Fixed roof tanks																
1	Jet Fuel	3.8E-02	0.0E+00	0.0E+00	6.0E-06	2.4E-06	2.0E-04	1.1E-03	2.9E-03	4.5E-05	4.9E-06	0.0E+00	4.5E-03	3.5E-03	1.2E-02	
2	Jet Fuel	2.7E-02	0.0E+00	0.0E+00	4.2E-06	1.7E-06	1.4E-04	7.4E-04	2.0E-03	3.1E-05	3.4E-06	0.0E+00	3.2E-03	2.4E-03	8.5E-03	
3	Jet Fuel	2.7E-02	0.0E+00	0.0E+00	4.2E-06	1.7E-06	1.4E-04	7.4E-04	2.0E-03	3.1E-05	3.4E-06	0.0E+00	3.2E-03	2.4E-03	8.5E-03	
6	HS Diesel #2	4.9E-02	7.9E-04	0.0E+00	3.8E-06	7.1E-06	1.3E-04	3.4E-04	3.4E-03	4.5E-05	7.5E-05	0.0E+00	1.8E-03	1.2E-03	7.8E-03	
7	LS Diesel #2	7.9E-02	1.3E-03	0.0E+00	6.1E-06	1.1E-05	2.1E-04	5.5E-04	5.5E-03	7.3E-05	1.2E-04	0.0E+00	2.9E-03	1.9E-03	1.3E-02	
167	Transmix	2.61	7.9E-03	1.0E-02	0.0E+00	5.0E-05	6.6E-04	1.8E-02		4.9E-06	0.0E+00	3.7E-05	1.2E-02	2.9E-03	5.1E-02	
A201	OGA 493Q	1.9E-03	0.0E+00	0.0E+00	0.0E+00	6.6E-05	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	3.0E-04	3.6E-04	
A202	OGA 477GYW	1.6E-03	0.0E+00	0.0E+00	0.0E+00	5.4E-05	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	2.0E-04	2.5E-04	
A203	Super Clean	1.1E-03	0.0E+00	0.0E+00	0.0E+00	3.4E-05	0.0E+00	3.4E-04		0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.3E-04	4.7E-04	
A204	Starreon	1.5E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		1.9E-06	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.9E-06	
A205	Red B D50	3.5E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.5E-04		0.0E+00	0.0E+00	0.0E+00	0.0E+00	5.9E-04	7.4E-04	
A206	Phase V	1.1E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	
A207	NAP 96	1.7E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	7.7E-05	7.7E-05	
0																
<b>TOTAL</b>		<b>2.8</b>	<b>1.0E-02</b>	<b>1.0E-02</b>	<b>2.4E-05</b>	<b>2.4E-05</b>	<b>9.8E-04</b>	<b>4.6E-03</b>	<b>3.3E-02</b>	<b>0.0E+00</b>	<b>2.3E-04</b>	<b>2.1E-04</b>	<b>3.7E-05</b>	<b>2.7E-02</b>	<b>1.6E-02</b>	<b>0.10</b>
Floating roof tanks																
4	Diesel	4.9E-03	1.5E-05	0.0E+00	2.9E-06	2.1E-06	3.4E-06	7.6E-06	6.5E-05	7.6E-06	1.2E-05	0.0E+00	3.6E-05	2.7E-05	1.8E-04	
5	Unleaded	4.7E-01	1.6E-03	1.9E-03	0.0E+00	0.0E+00	2.3E-05	2.0E-04	3.2E-03	2.9E-05	0.0E+00	1.4E-05	2.5E-03	9.7E-04	1.1E-02	
8	Unleaded	4.7E-01	1.6E-03	1.9E-03	0.0E+00	0.0E+00	2.9E-05	2.4E-04	3.2E-03	4.2E-05	0.0E+00	1.7E-05	2.7E-03	1.2E-03	1.1E-02	
12	Mid-Grade	3.16	9.8E-03	1.3E-02	0.0E+00	0.0E+00	8.2E-05	9.4E-04	2.1E-02	5.1E-05	0.0E+00	5.6E-05	1.5E-02	4.2E-03	6.4E-02	
13	Supreme	3.2E-01	1.2E-03	1.4E-03	0.0E+00	0.0E+00	2.9E-05	2.2E-04	2.3E-03	4.7E-05	0.0E+00	1.6E-05	2.2E-03	1.1E-03	8.5E-03	
208	Unleaded	3.23	1.0E-02	1.3E-02	0.0E+00	0.0E+00	9.9E-05	1.0E-03	2.2E-02	8.1E-05	0.0E+00	6.5E-05	1.6E-02	4.8E-03	0.07	
209	Unleaded	3.23	1.0E-02	1.3E-02	0.0E+00	0.0E+00	9.9E-05	1.0E-03	2.2E-02	8.1E-05	0.0E+00	6.5E-05	1.6E-02	4.8E-03	0.07	
<b>TOTAL</b>		<b>10.9</b>	<b>3.5E-02</b>	<b>4.4E-02</b>	<b>2.9E-06</b>	<b>2.1E-06</b>	<b>3.6E-04</b>	<b>3.7E-03</b>	<b>0.07</b>	<b>0.00</b>	<b>3.4E-04</b>	<b>1.2E-05</b>	<b>2.3E-04</b>	<b>5.3E-02</b>	<b>0.02</b>	<b>0.23</b>
Truck loading VDU Stack																
Gasoline		7.16	2.3E-02	3.0E-02			1.4E-04	1.9E-03	5.1E-02	1.3E-05		1.1E-04	3.4E-02	9.2E-03	0.15	
Gasoline (uncontrolled)		1.62	5.2E-03	6.8E-03			3.2E-05	4.3E-04	1.2E-02	3.0E-06		2.4E-05	7.6E-03	2.1E-03	0.03	
Transmix		1.78	2.8E-01	3.6E-01			1.7E-03	2.3E-02	6.1E-01	1.7E-04		1.3E-03	4.0E-01	1.1E-01	1.8E+00	
Jet Fuel		1.7E-01			2.0E-05	1.1E-05	7.0E-04	3.8E-03	1.0E-02	1.6E-04	1.8E-05		1.6E-02	1.3E-02	4.5E-02	
Diesel		0.25	2.8E-03		1.2E-05	3.0E-05	4.6E-04	1.2E-03	1.2E-02	1.5E-04	2.6E-04		6.3E-03	4.5E-03	0.03	
Natural Gas Usage		See Note 3	8.0E-07	8.0E-07						7.7E-06			2.5E-07	9.5E-08	9.6E-06	
<b>TOTAL</b>		<b>11.0</b>	<b>3.1E-01</b>	<b>3.9E-01</b>	<b>3.2E-05</b>	<b>4.1E-05</b>	<b>3.1E-03</b>	<b>3.0E-02</b>	<b>6.9E-01</b>	<b>0.0E+00</b>	<b>5.0E-04</b>	<b>2.7E-04</b>	<b>1.4E-03</b>	<b>4.7E-01</b>	<b>1.4E-01</b>	<b>2.04</b>
Maintenance		<b>0.50</b>	<b>7.7E-02</b>	<b>9.9E-02</b>			<b>4.9E-04</b>	<b>6.4E-03</b>	<b>0.17</b>		<b>4.6E-05</b>		<b>3.6E-04</b>	<b>0.11</b>	<b>3.1E-02</b>	<b>0.50</b>
<b>TOTAL FACILITY EMISSIONS</b>		<b>25.3</b>	<b>4.3E-01</b>	<b>0.55</b>	<b>5.9E-05</b>	<b>6.8E-05</b>	<b>5.1E-03</b>	<b>4.6E-02</b>	<b>9.7E-01</b>	<b>0.0E+00</b>	<b>1.4E-03</b>	<b>4.9E-04</b>	<b>2.1E-03</b>	<b>6.7E-01</b>	<b>2.1E-01</b>	<b>2.88</b>

Additive HAP emissions calculated using mass balance data for 2000 additives.

## SECTION 1: GENERAL INFORMATION

COMPANY & DIVISION NAME

STREET ADDRESS OR P.O. BOX

CITY

STATE  ZIP

PERSON TO CONTACT

TITLE

PHONE NUMBER

EXACT PLANT LOCATION

GENERAL NATURE OF BUSINESS

NUMBER OF FULL-TIME EMPLOYEES

PROPERTY AREA (ACRES)  REASON FOR APPLICATION

- (1) Permit to Construct a new facility;
- (2) Permit to Modify an existing source;
- (3) Permit to Construct a new source at an existing facility;
- (4) Change of Owner or Location;
- (5) Tier I Permit to Operate;
- (6) Tier II Permit to Operate

DISTANCE TO NEAREST STATE BORDER (MILES)

PRIMARY SIC  SECONDARY SIC

PLANT LOCATION COUNTY  ELEVATION (FT)

UTM ZONE

UTM (X) COORDINATE (KM)  UTM (Y) COORDINATE (KM)

NAME OF FACILITIES  LOCATION OF OTHER FACILITIES   
 List all facilities within the state that are under your control, or under common control, and have emissions to the air. If none, so state

<input type="text" value="Chevron Pipe Line Company"/>	<input type="text" value="Pocatello"/>	<input type="text" value="Murtaugh"/>
	<input type="text" value="Juniper"/>	<input type="text" value="IANG"/>
	<input type="text" value="Idahome"/>	<input type="text" value="Glenns Ferry"/>
	<input type="text" value="Burley"/>	<input type="text" value="Mountain Home"/>
	<input type="text" value="Twin Falls"/>	<input type="text" value="UPRR (Pocatello)"/>
<input type="text" value="Northwest Terminalling Company"/>	<input type="text" value="Pocatello"/>	

OWNER OR RESPONSIBLE OFFICIAL   
 TITLE OF RESPONSIBLE OFFICIAL

Based on information and belief formed after reasonable inquiry, I certify the statements and information in this document are true, accurate, and complete.

SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL

DATE

**SECTION 1: GENERAL INFORMATION**

COMPANY & DIVISION NAME	Chevron Pipe Line Company and Northwest Terminalling Company; Boise Co-located Facilities		
STREET ADDRESS OR P.O. BOX	2875 South Decker Lake Drive		
CITY	West Valley City		
STATE	UT	ZIP	84119
PERSON TO CONTACT	Jim Robbins		
TITLE	Environmental Specialist		
PHONE NUMBER	(801) 975-2325		
EXACT PLANT LOCATION	201 North Phillipi St., Boise, ID		
GENERAL NATURE OF BUSINESS	Petroleum Bulk Marketing Terminal and Pipeline Breakout Station		
NUMBER OF FULL-TIME EMPLOYEES	13		
PROPERTY AREA (ACRES)	17.4		
REASON FOR APPLICATION			5
(1) Permit to Construct a new facility; (2) Permit to Modify an existing source; (3) Permit to Construct a new source at an existing facility; (4) Change of Owner or Location; (5) Tier I Permit to Operate; (6) Tier II Permit to Operate			

DISTANCE TO NEAREST STATE BORDER (MILES)	50		
PRIMARY SIC	4613	SECONDARY SIC	5171
PLANT LOCATION COUNTY	Ada	ELEVATION (FT)	2,700
UTM ZONE	11	UTM (X) COORDINATE (KM)	560.5
		UTM (Y) COORDINATE (KM)	4828.3

**NAME OF FACILITIES**

List all facilities within the state that are under your control, or under common control, and have emissions to the air. If none, so state

Chevron Pipe Line Company	Pocatello	Murtaugh
	Juniper	JANG
	Idahome	Glenns Ferry
	Burley	Mountain Home
	Twin Falls	UPRR (Pocatello)
Northwest Terminalling Company	Pocatello	
OWNER OR RESPONSIBLE OFFICIAL	Gerald A. McKee	
TITLE OF RESPONSIBLE OFFICIAL	Western Profit Center Manager	

Based on information and belief formed after reasonable inquiry, I certify the statements and information in this document are true, accurate, and complete.

SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL

DATE

## SECTION 2: FUEL BURNING EQUIPMENT

N/A

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	<input type="text"/>		
STACK DESCRIPTION	<input type="text"/>		
BUILDING DESCRIPTION	<input type="text"/>		
MANUFACTURER	<input type="text"/>	MODEL	<input type="text"/>
		DATE INSTALLED OR LAST MODIFIED	<input type="text"/>

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION SBU/HR	<input type="text"/>	1000 LBS STEAM/HR	<input type="text"/>	kW	<input type="text"/>	hP	<input type="text"/>
BURNER TYPE (SEE NOTE BELOW)	<input type="text"/>	PERCENT USED FOR PROCESS		<input type="text"/>			
		PERCENT USED FOR SPACE HEAT		<input type="text"/>			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE BELOW)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT SULFUR	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT ASH	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT NITROGEN	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT CARBON	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT HYDROGEN	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT MOISTURE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
HEAT CONTENT (BTU/UNIT)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

NOTES: BURNER TYPE - 01) SPREADER STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;  
 05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);  
 07) UNDERFEED STOKER; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;  
 11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL;  
 06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;  
 10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL;  
 14) PROPANE; 15) OTHER (SPECIFY)

**SECTION 2: PART B**

N/A

**OPERATING DATA**

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	<input type="text"/>
MAR-MAY	<input type="text"/>
JUN-AUG	<input type="text"/>
SEP-NOV	<input type="text"/>

**OPERATING SCHEDULE**

HOURS/DAY	<input type="text"/>
DAYS/WEEK	<input type="text"/>
WEEKS/YEAR	<input type="text"/>

**POLLUTION CONTROL EQUIPMENT**

PARAMETER	PRIMARY	SECONDARY
TYPE	<input type="text"/>	<input type="text"/>
TYPE CODE (FROM APP. A)	<input type="text"/>	<input type="text"/>
MANUFACTURER	<input type="text"/>	<input type="text"/>
MODEL NUMBER	<input type="text"/>	<input type="text"/>
PRESSURE DROP (IN. OF WATER)	<input type="text"/>	<input type="text"/>
WET SCRUBBER FLOW (GPM)	<input type="text"/>	<input type="text"/>
BAGHOUSE AIR/CLOTH RATIO (FPM)	<input type="text"/>	<input type="text"/>

**VENTILATION AND BUILDING/AREA DATA**

ENCLOSED? (Y/N)	<input type="text"/>	GROUD ELEVATION (FT)	<input type="text"/>
HOOD TYPE (FROM APP. B)	<input type="text"/>	UTM X COORDINATE (KM)	<input type="text"/>
MINIMUM FLOW (ACFM)	<input type="text"/>	UTM Y COORDINATE (KM)	<input type="text"/>
PERCENT CAPTURE EFFICIENCY	<input type="text"/>	STACK TYPE (SEE NOTE BELOW)	<input type="text"/>
BUILDING HEIGHT (FT)	<input type="text"/>	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	<input type="text"/>
BUILDING LENGTH (FT)	<input type="text"/>	STACK EXIT DIAMETER (FT)	<input type="text"/>
BUILDING WIDTH (FT)	<input type="text"/>	STACK EXIT GAS FLOWRATE (ACFM)	<input type="text"/>
		STACK EXIT TEMPERATURE (DEG. F.)	<input type="text"/>

**AIR POLLUTANT EMISSIONS**

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS		
				(LBS/HR)	(TONS/YR)	REFERENCE	
PM		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
PM-10		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
SO <sub>2</sub>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
CO		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
NO <sub>x</sub>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
VOC		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
LEAD		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03 VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

## SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

N/A

**DEQ USE ONLY**

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	<input type="text"/>		
STACK DESCRIPTION	<input type="text"/>		
BUILDING DESCRIPTION	<input type="text"/>		
MANUFACTURER	<input type="text"/>	MODEL	<input type="text"/>
		DATE INSTALLED OR LAST MODIFIED	<input type="text"/>

**PROCESSING DATA**

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	ACTUAL ANNUAL RATE	UNITS
INPUT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PRODUCT OUTPUT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
WASTE OUTPUT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
RECYCLE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**POTENTIAL HAPS IN PROCESSING STREAMS**

DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCL STREAM BY WEIGHT
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**SECTION 3, PART B**

N/A

**OPERATING DATA**

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	[ ]
MAR-MAY	[ ]
JUN-AUG	[ ]
SEP-NOV	[ ]

**OPERATING SCHEDULE**

HOURS/DAY	[ ]
DAYS/WEEK	[ ]
WEEKS/YEAR	[ ]

**POLLUTION CONTROL EQUIPMENT**

PARAMETER	PRIMARY	SECONDARY
TYPE	[ ]	[ ]
TYPE CODE (FROM APP. A)	[ ]	[ ]
MANUFACTURER	[ ]	[ ]
MODEL NUMBER	[ ]	[ ]
PRESSURE DROP (IN. OF WATER)	[ ]	[ ]
WET SCRUBBER FLOW (GPM)	[ ]	[ ]
BAGHOUSE AIR/CLOTH RATIO (FPM)	[ ]	[ ]

**VENTILATION AND BUILDING/AREA DATA**

ENCLOSED? (Y/N)	[ ]	GROUND ELEVATION (FT)	[ ]
HOOD TYPE (FROM APP. B)	[ ]	UTM X COORDINATE (KM)	[ ]
MINIMUM FLOW (ACFM)	[ ]	UTM Y COORDINATE (KM)	[ ]
PERCENT CAPTURE EFFICIENCY	[ ]	STACK TYPE (SEE NOTE BELOW)	[ ]
BUILDING HEIGHT (FT)	[ ]	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	[ ]
BUILDING LENGTH (FT)	[ ]	STACK EXIT DIAMETER (FT)	[ ]
BUILDING WIDTH (FT)	[ ]	STACK EXIT GAS FLOWRATE (ACFM)	[ ]
		STACK EXIT TEMPERATURE (DEG. F)	[ ]

**AIR POLLUTANT EMISSIONS**

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
PM		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
PM-10		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
SO2		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
CO		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
NOx		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
VOC		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
LEAD		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE  
 EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

(CPL)

**DEQ USE ONLY**

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Hydrocarbon incineration (VES)		
STACK DESCRIPTION	Bioventing system vapor incinerator stack		
BUILDING DESCRIPTION	Vapor extraction system		
MANUFACTURER	McGill Environmental Systems	MODEL	V200
INCINERATOR TYPE	01	RATED HEATING CAPACITY (MILLION BTU/HOUR)	2.5
DATE INSTALLED OR LAST MODIFIED	Jul-91		

**PRIMARY COMBUSTION CHAMBER DATA**

WASTE RETENTION TIME (MINUTES)	NA	MINIMUM TEMPERATURE (DEG. F)	1,200	COMBUSTION AIR FEED RATE (ACFM)	283 CFM
BURNER TYPE (SEE NOTE BELOW)	01	PERCENT OVERFIRE AIR	0	GAUGE PRESSURE (IN. H2O)	10
		PERCENT UNDERFIRE AIR	100		

**PRIMARY CHAMBER FUEL DATA**

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE BELOW)	01			
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)	1,000	SCF		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR) • Based on Unit	2,500	SCF		
NORMAL ANNUAL COMBUSTION RATE (UNITS/HR)	1,458	SCF		

NOTES: INCINERATOR TYPES - 01) SINGLE CHAMBER; 02) MULTIPLE HEARTH; 03) ROTARY KILN; 04) FLUIDIZED BED;

05) OTHER (SPECIFY) 

BURNER TYPE - 01) AXIAL FIRING; 02) RADIAL FIRING; 03) TANGENTIAL FIRING;

04) OTHER (SPECIFY) 

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE;

06) OTHER (SPECIFY)

SECONDARY COMBUSTION CHAMBER DATA

COMBUSTION CHAMBER	N/A	MINIMUM	COMBUSTION AIR
VOLUME (CUBIC FEET)		TEMPERATURE (DEG. F)	FEED RATE (SCRM)
GAUGE PRESSURE (INCHES WATER)		BURNER TYPE	
		(1) AXIAL FIRING; (2) RADIAL FIRING; (3) TANGENTIAL FIRING;	
		(4) OTHER	

SECONDARY CHAMBER FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE BELOW)	N/A			
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/HR)				

NOTE: FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE;

06) OTHER (SPECIFY)

PRIMARY CHAMBER MONITORING AND COMBUSTION CONTROLS

Automatic bioventing feed shut-off in the event of pilot burner failure
Automatic bioventing feed shut-off in the event operating temperature falls below 1200 degrees F.

SECONDARY CHAMBER MONITORING AND COMBUSTION CONTROLS

N/A

WASTE CHARACTERIZATION AND COMBUSTION RATE

PARAMETER	PRIMARY WASTE	UNITS	SECONDARY WASTE	UNITS
WASTE DESCRIPTION	Hydrocarbon vapors	lbs/hr		
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)	1,400*	SCF		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	75	lbs		
NORMAL ANNUAL COMBUSTION RATE (UNITS/HR)	80,000**	lbs		
METHOD OF ASH DISPOSAL:	N/A			

POTENTIAL HAPS IN WASTES

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN WASTE FEED	FRACTION IN BOTTOM ASH	FRACTION IN FLY ASH
2,2,4 TMP	540-84-1	1.97E-02		
Benzene	71-43-2	1.29E-02		
Cresol	1319-77-3	ND		
Cumene	98-82-8	1.50E-03		
Ethylbenzene	100-41-4	9.26E-03		
Hexane	110-54-3	1.34E-02		
Naphthalene	91-20-3	3.03E-03		
Phenol	108-95-2	ND		
Styrene	100-42-5	7.80E-04		
Toluene	108-88-3	5.25E-02		
Xylene	1330-20-7	4.91E-02		

\* Heat content based on pure hexane

## SECTION 4, PART B

(CPL)

OPERATING DATA

## PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

## OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DEOP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N	GROUND ELEVATION (FT)	2,700
HOOD TYPE (FROM APP. B)	N/A	UTM X COORDINATE (KM)	560.5
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)	4828.3
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)	02
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	20
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	2.5
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)	344 - 1,122
		STACK EXIT TEMPERATURE (DEG. F)	1,000 - 2,000

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
PM				0.012	0.012	0.053	Permit 0020-0026	
PM-10				0.012	0.012	0.053	Permit 0020-0026	
SO2				0.0015	0.0015	0.0064	Permit 0020-0026	
CO				0.74	0.74	3.2	Permit 0020-0026	
NOx				1.2	1.2	5.3	Permit 0020-0026	
VOC			>95	5.7	5.7	25	Permit 0020-0026	
LEAD								
2,2,4 TMP	540-84-1			1.8E-02				
BENZENE	71-43-2			1.2E-02				
CRESOL	1319-77-3			0.0E+00				
CUMENE	98-82-8			1.1E-04				
ETHYLBENZ	100-41-4			1.5E-03				
HEXANE	110-54-3			4.2E-02				
NAPHTHALE	91-20-3			1.1E-05				
PHENOL	108-95-2			0.0E+00				
STYRENE	100-42-5			8.4E-05				
TOLUENE	108-88-3			2.7E-02				
XYLENE	1330-20-7			7.3E-03				

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE EMISSION SOURCES SECTION FOR CALCULATIONS

**DEQ USE ONLY**

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Thermal oxidizer at loading rack		
STACK DESCRIPTION	Vapor destruction unit stack (VDU)		
BUILDING DESCRIPTION	Vapor destruction unit - NWTC		
MANUFACTURER	John Zink	MODEL	ZTOF
		DATE INSTALLED OR LAST MODIFIED	Mar-94
INCINERATOR TYPE	01	RATED HEATING CAPACITY (MILLION BTU/HOUR)	0.054

**PRIMARY COMBUSTION CHAMBER DATA**

WASTE RETENTION TIME (MINUTES)	> 1 min	MINIMUM TEMPERATURE (DEG. F)	200	COMBUSTION AIR FEED RATE (ACFM)	256.8
BURNER TYPE (SEE NOTE BELOW)	01	PERCENT OVERFIRE AIR	100	GAUGE PRESSURE (IN. H2O)	6
		PERCENT UNDERFIRE AIR	0		

**PRIMARY CHAMBER FUEL DATA**

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE BELOW)	01			
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)	1,000	BTU		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	54	SCF		
* Based on Unit NORMAL ANNUAL COMBUSTION RATE (UNITS/HR)	43	SCF		

NOTES: INCINERATOR TYPES - 01) SINGLE CHAMBER; 02) MULTIPLE HEARTH; 03) ROTARY KILN; 04) FLUIDIZED BED;

05) OTHER (SPECIFY) 

BURNER TYPE - 01) AXIAL FIRING; 02) RADIAL FIRING; 03) TANGENTIAL FIRING;

04) OTHER (SPECIFY) 

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE;

06) OTHER (SPECIFY)

## SECTION 4, PART A

(NWTC)

SECONDARY COMBUSTION CHAMBER DATA

COMBUSTION CHAMBER		MINIMUM	COMBUSTION AIR
VOLUME (CUBIC FEET)	<input type="text" value="N/A"/>	TEMPERATURE (DEG. F.)	<input type="text"/>
GAUGE PRESSURE (INCHES WATER)	<input type="text"/>	BURNER TYPE	FEED RATE (SCRM) <input type="text"/>
		(1) AXIAL FIRING; (2) RADIAL FIRING; (3) TANGENTIAL FIRING; (4) OTHER <input type="text"/>	

SECONDARY CHAMBER FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE BELOW)	<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT SULFUR	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT ASH	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT NITROGEN	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT CARBON	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT HYDROGEN	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PERCENT MOISTURE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
HEAT CONTENT (BTU/UNIT)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
NORMAL ANNUAL COMBUSTION RATE (UNITS/HR)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

NOTE: FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE;

06) OTHER (SPECIFY) PRIMARY CHAMBER MONITORING AND COMBUSTION CONTROLS

<input type="text"/>

SECONDARY CHAMBER MONITORING AND COMBUSTION CONTROLS

<input type="text"/>

WASTE CHARACTERIZATION AND COMBUSTION RATE

PARAMETER	PRIMARY WASTE	UNITS	SECONDARY WASTE	UNITS
WASTE DESCRIPTION	Loading rack vapors			
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE	15.5			
HEAT CONTENT (BTU/UNIT)	1,389	SCF		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	23,112	SCF		
NORMAL ANNUAL COMBUSTION RATE (UNITS/HR)	202	MMSCF		
METHOD OF ASH DISPOSAL:	N/A			

POTENTIAL HAPS IN WASTES

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN WASTE FEED	FRACTION IN BOTTOM ASH	FRACTION IN FLY ASH
2,2,4 TMP	540-84-1	1.97E-02		
Benzene	71-43-2	1.29E-02		
Cresol	1319-77-3	ND		
Cumene	98-82-8	1.50E-03		
Ethylbenzene	100-41-4	9.26E-03		
Hexane	110-54-3	1.34E-02		
Naphthalene	91-20-3	3.03E-03		
Phenol	108-95-2	ND		
Styrene	100-42-5	7.80E-04		
Toluene	108-88-3	5.25E-02		
Xylene	1330-20-7	4.91E-02		

\* Heat content based on pure hexane

## SECTION 4, PART B

(NWTC)

OPERATING DATA

## PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

## OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DEOP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N	GROUND ELEVATION (FT)	2,700
HOOD TYPE (FROM APP. B)	N/A	UTM X COORDINATE (KM)	560.5
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)	4828.3
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)	02
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	35
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	8
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)	1.45 MM
		STACK EXIT TEMPERATURE (DEG. F)	1,830

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO				3.5E+00			
NOx				1.4E+00			
VOC				9.4E+00			
LEAD							
2,2,4 TMP	540-84-1			3.1E-02			
BENZENE	71-43-2			3.7E-02			
CRESOL	1319-77-3			4.1E-05			
CUMENE	98-82-8			1.3E-03			
ETHYLBENZ	100-41-4			7.3E-03			
HEXANE	110-54-3			8.5E-02			
NAPHTHALE	91-20-3			2.7E-04			
PHENOL	108-95-2			2.7E-04			
STYRENE	100-42-5			1.3E-04			
TOLUENE	108-88-3			6.4E-02			
XYLENE	1330-20-7			2.9E-02			

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* EMISSIONS FROM TRANSMIX LOADING ARE PRESENTED IN IN SECTION 4 UNDER THE LOADING RACK.  
SEE EMISSION SOURCES SECTION FOR CALCULATIONS

**SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS**

**DEQ USE ONLY**

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Storage of petroleum products	
STACK DESCRIPTION	N/A	
BUILDING DESCRIPTION	Tank 9 (CPL)	
DATE INSTALLED OR LAST MODIFIED	1949	

**GENERAL TANK AND MATERIAL HANDLING DATA**

MATERIAL DESCRIPTION	Transmix		
TANK CAPACITY (GALLONS)	42,000	ANNUAL THROUGHPUT (GALLONS)	500,010
TANK TYPE	01	SOURCE	01
PLEASE CHOOSE FROM BELOW	PLEASE CHOOSE FROM BELOW		
(01) FIXED ROOF;	(01) PIPELINE;		
(02) FLOATING ROOF (OR INTERNAL COVER);	(02) RAIL CAR;		
(03) VARIABLE VAPOR SPACE;	(03) TANK TRUCK;		
(04) PRESSURE TANK;	(04) SHIP BARGE;		
(05) UNDERGROUND - SPLASH LOADING	(05) OTHER		
(06) OTHER	<input type="text"/>		

**ADDITIONAL VAPOR PHASE DEGREASING DATA**

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>	TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F.)	<input type="text"/>	METHOD OF VAPOR RECOVERY	<input type="text"/>
		Please choose from below	<input type="text"/>
		(01) Incineration;	<input type="text"/>
		(02) Refrigerated Liquid Scrubber;	<input type="text"/>
		(03) Refrigerated Condenser;	<input type="text"/>
		(04) Carbon Adsorption;	<input type="text"/>
		(05) Vapor Return System;	<input type="text"/>
		(06) No Recovery System;	<input type="text"/>
		(07) Other	<input type="text"/>

**ADDITIONAL MATERIAL HANDLING DATA**

PHYSICAL STATE (SEE NOTE BELOW)	L & H mix	NUMBER OF PUMP SEALS	**	NUMBER OF COMPRESSOR SEALS	**	NUMBER OF IN-LINE VALVES	**
NUMBER OF SAFETY RELIEF VALVES	**	NUMBER OF FLANGES	**	NUMBER OF OPEN-ENDED LINES	**	NUMBER OF SAMPLING CONNECTIONS	**

**MATERIAL DATA**

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
2,2,4 TMP	540-84-1	0.00E+00
Benzene	71-43-2	1.29E-02
Biphenyl	92-52-4	0.00E+00
Cresols	1319-77-3	1.50E-03
Cumene	98-82-8	9.26E-03
Ethylbenzene	100-41-4	1.34E-02
Hexane	110-54-3	7.80E-04
MTBE	1634-04-4	0.00E+00
Naphthalene	91-20-3	1.97E-02
Phenol	108-95-2	5.25E-02
Styrene	100-42-5	4.91E-02
Toluene	108-88-3	0.00E+00
Xylenes	1330-20-7	0.00E+00

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

\*\* Emissions for all pump seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

## SECTION 5, PART B

## (TANK 9 - CPL)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

## OPERATING SCHEDULE

HOURS/DAY	
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A	STACK DATA
HOOD TYPE (FROM APP. B)		GROUND ELEVATION (FT)
MINIMUM FLOW (ACFM)		UTM X COORDINATE (KM)
PERCENT CAPTURE EFFICIENCY		UTM Y COORDINATE (KM)
BUILDING HEIGHT (FT)		STACK TYPE (SEE NOTE BELOW)
BUILDING LENGTH (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)
BUILDING WIDTH (FT)		STACK EXIT DIAMETER (FT)
		STACK EXIT GAS FLOWRATE (ACFM)
		STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
PM								
PM-10								
SO2								
CO								
NOx								
VOC								
LEAD								
2,2,4 TMP	540-84-1							
BENZENE	71-43-2							
BIPHENYL	92-52-4							
CRESOLS	1319-77-3							
CUMENE	98-82-8							
ETHYLBENZENE	100-41-4							
N-HEXANE	110-54-3							
MTBE	1634-04-4							
NAPHTHALENE	91-20-3							
PHENOL	108-95-2							
STYRENE	100-42-5							
TOLUENE	108-88-3							
XYLENES	1330-20-7							

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

**SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS**

**DEQ USE ONLY**

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Storage of petroleum products
STACK DESCRIPTION	NA
BUILDING DESCRIPTION	Tank 14 (CPL)
DATE INSTALLED OR LAST MODIFIED	1967

**GENERAL TANK AND MATERIAL HANDLING DATA**

MATERIAL DESCRIPTION	Transmix		
TANK CAPACITY (GALLONS)	126,000	ANNUAL THROUGHPUT (GALLONS)	1,500,000
TANK TYPE PLEASE CHOOSE FROM BELOW	01	SOURCE PLEASE CHOOSE FROM BELOW	01
(01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK; (05) UNDERGROUND - SPLASH LOADING		(01) PIPELINE; (02) RAIL CAR; (03) TANK TRUCK; (04) SHIP BARGE;	
(06) OTHER		(05) OTHER	

**ADDITIONAL VAPOR PHASE DEGREASING DATA**

MANUFACTURER OF DEGREASING AGENT		TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F.)	<input type="text"/>	METHOD OF VAPOR RECOVERY Please choose from below	<input type="text"/>
		(01) Incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser; (04) Carbon Adsorption; (05) Vapor Return System; (06) No Recovery System;	<input type="text"/>
		(07) Other	<input type="text"/>

**ADDITIONAL MATERIAL HANDLING DATA**

PHYSICAL STATE (SEE NOTE BELOW)	L & H mix	NUMBER OF PUMP SEALS	**	NUMBER OF COMPRESSOR SEALS	**	NUMBER OF IN-LINE VALVES	**
NUMBER OF SAFETY RELIEF VALVES	**	NUMBER OF FLANGES	**	NUMBER OF OPEN-ENDED LINES	**	NUMBER OF SAMPLING CONNECTIONS	**

**MATERIAL DATA**

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
2,2,4 TMP	540-84-1	0.00E+00
Benzene	71-43-2	1.29E-02
Biphenyl	92-52-4	0.00E+00
Cresols	1319-77-3	1.50E-03
Cumene	98-82-8	9.26E-03
Ethylbenzene	100-41-4	1.34E-02
Hexane	110-54-3	7.80E-04
MTBE	1634-04-4	0.00E+00
Naphthalene	91-20-3	1.97E-02
Phenol	108-95-2	5.25E-02
Styrene	100-42-5	4.91E-02
Toluene	108-88-3	0.00E+00
Xylenes	1330-20-7	0.00E+00

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

\*\* Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

Tier 1 Permit Application Renewal - Boise Terminal

## SECTION 5, PART B

## (TANK 14 - CPL)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A	GROUND ELEVATION (FT)	N/A
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)	
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)	
		STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx				2.2E+00			
VOC							
LEAD							
2,2,4 TMP	540-84-1			6.8E-03			
BENZENE	71-43-2			8.8E-03			
BIPHENYL	92-52-4			0.0E+00			
CRESOLS	1319-77-3			0.0E+00			
CUMENE	98-82-8			4.3E-05			
ETHYLBENZENE	100-41-4			5.7E-04			
N-HEXANE	110-54-3			1.5E-02			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			4.2E-06			
PHENOL	108-95-2			0.0E+00			
STYRENE	100-42-5			3.2E-05			
TOLUENE	108-88-3			9.9E-03			
XYLENES	1330-20-7			2.5E-03			

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE  
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

**SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS**

**DEQ USE ONLY**

DEQ PLANT ID CODE	[ ]	DEQ PROCESS CODE	[ ]	DEQ STACK ID CODE	[ ]
DEQ BUILDING ID CODE	[ ]	PRIMARY SCC	[ ]	SECONDARY SCC	[ ]
DEQ SEGMENT CODE	[ ]				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Storage of petroleum products
STACK DESCRIPTION	N/A
BUILDING DESCRIPTION	Tank 162 (CPL)
DATE INSTALLED OR LAST MODIFIED	1953

**GENERAL TANK AND MATERIAL HANDLING DATA**

MATERIAL DESCRIPTION	Jet Fuel		
TANK CAPACITY (GALLONS)	593,124	ANNUAL THROUGHPUT (GALLONS)	63,782,880
TANK TYPE	01	SOURCE	PLEASE CHOOSE FROM BELOW
PLEASE CHOOSE FROM BELOW		(01) PIPELINE;	
(01) FIXED ROOF;		(02) RAIL CAR;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(03) TANK TRUCK;	
(03) VARIABLE VAPOR SPACE;		(04) SHIP BARGE;	
(04) PRESSURE TANK;		(05) OTHER	[ ]
(05) UNDERGROUND - SPLASH LOADING			
(06) OTHER			

**ADDITIONAL VAPOR PHASE DEGREASING DATA**

MANUFACTURER OF DEGREASING AGENT	[ ]	TANK SURFACE AREA (SQ. FT)	[ ]
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F.)	[ ]	METHOD OF VAPOR RECOVERY	[ ]
		Please choose from below	[ ]
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other	[ ]

**ADDITIONAL MATERIAL HANDLING DATA**

PHYSICAL STATE (SEE NOTE BELOW)	H	NUMBER OF PUMP SEALS	**	NUMBER OF COMPRESSOR SEALS	**	NUMBER OF IN-LINE VALVES	**
NUMBER OF SAFETY RELIEF VALVES	**	NUMBER OF FLANGES	**	NUMBER OF OPEN-ENDED LINES	**	NUMBER OF SAMPLING CONNECTIONS	**

**MATERIAL DATA**

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
2,2,4	540-84-1	ND
Benzene	71-43-2	ND
Biphenyl	92-52-4	2.10E-03
Cresols	1319-77-3	6.70E-04
Cumene	98-82-8	1.70E-03
Ethylbenzene	100-41-4	2.50E-04
Hexane	110-54-3	3.20E-04
MTBE	1634-04-4	0.00E+00
Naphthalene	91-20-3	0.00E+00
Phenol	108-95-2	ND
Styrene	100-42-5	2.35E-03
Toluene	108-88-3	0.00E+00
Xylenes	1330-20-7	0.00E+00

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

\*\* Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

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## SECTION 5, PART B

## (TANK 162 - CPL)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A	STACK DATA	N/A
HOOD TYPE (FROM APP. B)		GROUND ELEVATION (FT)	
MINIMUM FLOW (ACFM)		UTM X COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY		UTM Y COORDINATE (KM)	
BUILDING HEIGHT (FT)		STACK TYPE (SEE NOTE BELOW)	
BUILDING LENGTH (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING WIDTH (FT)		STACK EXIT DIAMETER (FT)	
		STACK EXIT GAS FLOWRATE (ACFM)	
		STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC				9.1E-02			
LEAD							
2,2,4 TMP	540-84-1			0.0E+00			
BENZENE	71-43-2			0.0E+00			
BIPHENYL	92-52-4			1.4E-05			
CRESOLS	1319-77-3			5.7E-06			
CUMENE	98-82-8			4.7E-04			
ETHYLBENZENE	100-41-4			2.5E-03			
N-HEXANE	110-54-3			6.8E-03			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			1.1E-04			
PHENOL	108-95-2			1.2E-05			
STYRENE	100-42-5			0.0E+00			
TOLUENE	108-88-3			1.1E-02			
XYLENES	1330-20-7			8.2E-03			

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE  
 EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

**SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS**

**DEQ USE ONLY**

DEQ PLANT ID CODE	[ ]	DEQ PROCESS CODE	[ ]	DEQ STACK ID CODE	[ ]
DEQ BUILDING ID CODE	[ ]	PRIMARY SCC	[ ]	SECONDARY SCC	[ ]
DEQ SEGMENT CODE	[ ]				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Storage of petroleum products
STACK DESCRIPTION	N/A
BUILDING DESCRIPTION	Tank 163 (CPL)
DATE INSTALLED OR LAST MODIFIED	1953

**GENERAL TANK AND MATERIAL HANDLING DATA**

MATERIAL DESCRIPTION	Diesel		
TANK CAPACITY (GALLONS)	593,460	ANNUAL THROUGHPUT (GALLONS)	51,465,498
TANK TYPE	01	SOURCE	01
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;	(01) PIPELINE;		
(02) FLOATING ROOF (OR INTERNAL COVER);	(02) RAIL CAR;		
(03) VARIABLE VAPOR SPACE;	(03) TANK TRUCK;		
(04) PRESSURE TANK;	(04) SHIP BARGE;		
(05) UNDERGROUND - SPLASH LOADING	(05) OTHER		
(06) OTHER			

**ADDITIONAL VAPOR PHASE DEGREASING DATA**

MANUFACTURER OF DEGREASING AGENT		TANK SURFACE AREA (SQ. FT)	[ ]
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F.)		METHOD OF VAPOR RECOVERY	[ ]
		Please choose from below	[ ]
		(01) Incineration;	[ ]
		(02) Refrigerated Liquid Scrubber;	[ ]
		(03) Refrigerated Condenser;	[ ]
		(04) Carbon Adsorption;	[ ]
		(05) Vapor Return System;	[ ]
		(06) No Recovery System;	[ ]
		(07) Other	[ ]

**ADDITIONAL MATERIAL HANDLING DATA**

PHYSICAL STATE (SEE NOTE BELOW)	H	NUMBER OF PUMP SEALS	**	NUMBER OF COMPRESSOR SEALS	**	NUMBER OF IN-LINE VALVES	**
NUMBER OF SAFETY RELIEF VALVES	**	NUMBER OF FLANGES	**	NUMBER OF OPEN-ENDED LINES	**	NUMBER OF SAMPLING CONNECTIONS	**

**MATERIAL DATA**

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
2,2,4 TMP	540-84-1	0.00E+00
Benzene	71-43-2	ND
Biphenyl	95-52-4	7.10E-04
Cresols	1319-77-3	2.40E-04
Cumene	98-82-8	2.90E-04
Ethylbenzene	100-41-4	2.90E-04
Hexane	110-54-3	0.00E+00
MTBE	1634-04-4	2.40E-02
Naphthalene	91-20-3	1.70E-03
Phenol	108-95-2	2.60E-03
Styrene	100-42-5	0.00E+00
Toluene	108-88-3	5.00E-04
Xylenes	1330-20-7	1.22E-03

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

\*\* Emissions for all pump seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

## SECTION 5, PART B

## (TANK 163 - CPL)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A	STACK DATA
HOOD TYPE (FROM APP. B)		GROUND ELEVATION (FT)
MINIMUM FLOW (ACFM)		UTM X COORDINATE (KM)
PERCENT CAPTURE EFFICIENCY		UTM Y COORDINATE (KM)
BUILDING HEIGHT (FT)		STACK TYPE (SEE NOTE BELOW)
BUILDING LENGTH (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)
BUILDING WIDTH (FT)		STACK EXIT DIAMETER (FT)
		STACK EXIT GAS FLOWRATE (ACFM)
		STACK EXIT TEMPERATURE (DEG. F.)

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC				6.8E-02			
LEAD							
2,2,4 TMP	540-84-1			1.1E-03			
BENZENE	71-43-2			0.0E+00			
BIPHENYL	92-52-4			5.3E-06			
CRESOLS	1319-77-3			9.8E-06			
CUMENE	98-82-8			1.8E-04			
ETHYLBENZENE	100-41-4			4.7E-04			
N-HEXANE	110-54-3			4.8E-03			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			6.3E-05			
PHENOL	108-95-2			1.0E-04			
STYRENE	100-42-5			0.0E+00			
TOLUENE	108-88-3			2.5E-03			
XYLENES	1330-20-7			1.7E-03			

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

**SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS**

**DEQ USE ONLY**

DEQ PLANT ID CODE	[ ]	DEQ PROCESS CODE	[ ]	DEQ STACK ID CODE	[ ]
DEQ BUILDING ID CODE	[ ]	PRIMARY SCC	[ ]	SECONDARY SCC	[ ]
DEQ SEGMENT CODE	[ ]				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Storage of petroleum products
STACK DESCRIPTION	N/A
BUILDING DESCRIPTION	Tank 164 (CPL)
DATE INSTALLED OR LAST MODIFIED	1953

**GENERAL TANK AND MATERIAL HANDLING DATA**

MATERIAL DESCRIPTION	Gasoline/Jet Fuel*		
TANK CAPACITY (GALLONS)	556,164	ANNUAL THROUGHPUT (GALLONS)	38,220,420
TANK TYPE	02	SOURCE	01
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER	[ ]
(06) OTHER	[ ]		

**ADDITIONAL VAPOR PHASE DEGREASING DATA**

MANUFACTURER OF DEGREASING AGENT	[ ]	TANK SURFACE AREA (SQ. FT)	[ ]
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F.)	[ ]	METHOD OF VAPOR RECOVERY	[ ]
		Please choose from below	[ ]
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorbtion;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other	[ ]

**ADDITIONAL MATERIAL HANDLING DATA**

PHYSICAL STATE (SEE NOTE BELOW)	L or H	NUMBER OF PUMP SEALS	**	NUMBER OF COMPRESSOR SEALS	**	NUMBER OF IN-LINE VALVES	**
NUMBER OF SAFETY RELIEF VALVES	**	NUMBER OF FLANGES	**	NUMBER OF OPEN-ENDED LINES	**	NUMBER OF SAMPLING CONNECTIONS	**

**MATERIAL DATA**

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
2,2,4 TMP	540-84-1	0.00E+00
Benzene	71-43-2	1.29E-02
Biphenyl	95-52-4	2.10E-03
Cresols	1319-77-3	6.70E-04
Cumene	98-82-8	9.26E-03
Ethylbenzene	100-41-4	1.34E-02
Hexane	110-54-3	7.80E-04
MTBE	1634-04-4	0.00E+00
Naphthalene	91-20-3	1.97E-02
Phenol	108-95-2	ND
Styrene	100-42-5	4.91E-02
Toluene	108-88-3	0.00E+00
Xylenes	1330-20-7	0.00E+00

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

\*This tank is a swing tank and its contents vary during the year, depending on product demand. HAP ingredients and emissions are based on worst of gasoline and jet fuel.

\*\* Emissions for all pump seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

## SECTION 5, PART B

## (TANK 164 - CPL)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYSWEEK	7
WEEKSYEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A	GROUND ELEVATION (FT)	N/A
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)	
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)	
		STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC				4.7E-01			
LEAD							
2,2,4 TMP	540-84-1			1.5E-03			
BENZENE	71-43-2			1.9E-03			
BIPHENYL	92-52-4			2.6E-05			
CRESOLS	1319-77-3			4.0E-06			
CUMENE	98-82-8			1.8E-05			
ETHYLBENZENE	100-41-4			1.7E-04			
N-HEXANE	110-54-3			3.2E-03			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			4.0E-05			
PHENOL	108-95-2			4.0E-06			
STYRENE	100-42-5			1.1E-05			
TOLUENE	108-88-3			2.4E-03			
XYLENES	1330-20-7			8.0E-04			

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

**SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS**

**DEQ USE ONLY**

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Storage of petroleum products
STACK DESCRIPTION	N/A
BUILDING DESCRIPTION	Tank 165 (CPL)
DATE INSTALLED OR LAST MODIFIED	1953

**GENERAL TANK AND MATERIAL HANDLING DATA**

MATERIAL DESCRIPTION	Gasoline		
TANK CAPACITY (GALLONS)	554,736	ANNUAL THROUGHPUT (GALLONS)	70,546,098
TANK TYPE	02	SOURCE PLEASE CHOOSE FROM BELOW	01
PLEASE CHOOSE FROM BELOW			
(01) FIXED ROOF;	(01) PIPELINE;		
(02) FLOATING ROOF (OR INTERNAL COVER);	(02) RAIL CAR;		
(03) VARIABLE VAPOR SPACE;	(03) TANK TRUCK;		
(04) PRESSURE TANK;	(04) SHIP BARGE;		
(05) UNDERGROUND - SPLASH LOADING	(05) OTHER		
(06) OTHER	<input type="text"/>		

**ADDITIONAL VAPOR PHASE DEGREASING DATA**

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>		TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F.)	<input type="text"/>		METHOD OF VAPOR RECOVERY Please choose from below	<input type="text"/>
				(01) Incineration;
				(02) Refrigerated Liquid Scrubber;
				(03) Refrigerated Condenser;
				(04) Carbon Adsorption;
				(05) Vapor Return System;
				(06) No Recovery System;
				(07) Other

**ADDITIONAL MATERIAL HANDLING DATA**

PHYSICAL STATE (SEE NOTE BELOW)	L	NUMBER OF PUMP SEALS	**	NUMBER OF COMPRESSOR SEALS	**	NUMBER OF IN-LINE VALVES	**
NUMBER OF SAFETY RELIEF VALVES	**	NUMBER OF FLANGES	**	NUMBER OF OPEN-ENDED LINES	**	NUMBER OF SAMPLING CONNECTIONS	**

**MATERIAL DATA**

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
2,2,4 TMP	540-84-1	0.00E+00
Benzene	71-43-2	1.29E-02
Benzene	92-52-4	0.00E+00
Cresols	1319-77-3	1.50E-03
Cumene	98-82-8	9.26E-03
Ethylbenzene	100-41-4	1.34E-02
Hexane	110-54-3	7.80E-04
MTBE	1634-04-4	0.00E+00
Naphthalene	91-20-3	1.97E-02
Phenol	108-95-2	5.25E-02
Styrene	100-42-5	4.91E-02
Toluene	108-88-3	0.00E+00
Xylenes	1330-20-7	0.00E+00

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

\*\* Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

## SECTION 5, PART B

(TANK 165 - CPL)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A	STACK DATA	N/A
HOOD TYPE (FROM APP. B)		GROUND ELEVATION (FT)	
MINIMUM FLOW (ACFM)		UTM X COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY		UTM Y COORDINATE (KM)	
BUILDING HEIGHT (FT)		STACK TYPE (SEE NOTE BELOW)	
BUILDING LENGTH (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING WIDTH (FT)		STACK EXIT DIAMETER (FT)	
		STACK EXIT GAS FLOWRATE (ACFM)	
		STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC				4.9E-01			
LEAD							
2,2,4 TMP	540-84-4			2.0E-03			
BENZENE	71-43-2			2.2E-03			
BIPHENYL	92-52-4			0.0E+00			
CRESOLS	1319-77-3			0.0E+00			
CUMENE	98-82-8			5.3E-05			
ETHYLBENZENE	100-41-4			3.9E-04			
N-HEXANE	110-54-3			3.5E-03			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			8.9E-05			
PHENOL	108-95-2			0.0E+00			
STYRENE	100-42-5			2.9E-05			
TOLUENE	108-88-3			3.6E-03			
XYLENES	1330-20-7			1.9E-03			

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE  
 EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

**DEQ USE ONLY**

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Storage of petroleum products	
STACK DESCRIPTION	N/A	
BUILDING DESCRIPTION	Tank 166 (CPL)	
DATE INSTALLED OR LAST MODIFIED	1953	

**GENERAL TANK AND MATERIAL HANDLING DATA**

MATERIAL DESCRIPTION	Gasoline		
TANK CAPACITY (GALLONS)	541,968	ANNUAL THROUGHPUT (GALLONS)	32,627,784
TANK TYPE	02	SOURCE	01
PLEASE CHOOSE FROM BELOW			
(01) FIXED ROOF;	(01) PIPELINE;		
(02) FLOATING ROOF (OR INTERNAL COVER);	(02) RAIL CAR;		
(03) VARIABLE VAPOR SPACE;	(03) TANK TRUCK;		
(04) PRESSURE TANK;	(04) SHIP BARGE;		
(05) UNDERGROUND - SPLASH LOADING	(05) OTHER		
(06) OTHER	<input type="text"/>		

**ADDITIONAL VAPOR PHASE DEGREASING DATA**

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>		TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F.)	<input type="text"/>		METHOD OF VAPOR RECOVERY	<input type="text"/>
Please choose from below				<input type="text"/>
(01) Incineration;				<input type="text"/>
(02) Refrigerated Liquid Scrubber;				<input type="text"/>
(03) Refrigerated Condenser;				<input type="text"/>
(04) Carbon Adsorption;				<input type="text"/>
(05) Vapor Return System;				<input type="text"/>
(06) No Recovery System;				<input type="text"/>
(07) Other				<input type="text"/>

**ADDITIONAL MATERIAL HANDLING DATA**

PHYSICAL STATE (SEE NOTE BELOW)	L	NUMBER OF PUMP SEALS	**	NUMBER OF COMPRESSOR SEALS	**	NUMBER OF IN-LINE VALVES	**
NUMBER OF SAFETY RELIEF VALVES	**	NUMBER OF FLANGES	**	NUMBER OF OPEN-ENDED LINES	**	NUMBER OF SAMPLING CONNECTIONS	**

**MATERIAL DATA**

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
2,2,4 TMP	540-84-1	0.00E+00
Benzene	71-43-2	1.29E-02
Biphenyl	92-52-4	0.00E+00
Cresols	1319-77-3	1.50E-03
Cumene	98-82-8	9.26E-03
Ethylbenzene	100-41-4	1.34E-02
Hexane	110-54-3	7.80E-04
MTBE	1634-04-4	0.00E+00
Naphthalene	91-20-3	1.97E-02
Phenol	108-95-2	5.25E-02
Styrene	100-42-5	4.91E-02
Toluene	108-88-3	0.00E+00
Xylenes	1330-20-7	0.00E+00

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

\*\* Emissions for all pump seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

## SECTION 5, PART B

## (TANK 166 - CPL)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A	GROUND ELEVATION (FT)	N/A
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)	
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)	
		STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC				4.7E-01			
LEAD							
2,2,4 TMP	540-84-1			1.7E-03			
BENZENE	71-43-2			2.0E-03			
BIPHENYL	92-52-4			0.0E+00			
CRESOLS	1319-77-3			0.0E+00			
CUMENE	98-82-8			2.9E-05			
ETHYLBENZENE	100-41-4			2.4E-04			
N-HEXANE	110-54-3			3.3E-03			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			4.2E-05			
PHENOL	108-95-2			0.0E+00			
STYRENE	100-42-5			1.7E-05			
TOLUENE	108-88-3			2.8E-03			
XYLENES	1330-20-7			1.2E-03			

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

**DEQ USE ONLY**

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Storage of petroleum products
STACK DESCRIPTION	N/A
BUILDING DESCRIPTION	Tank 200 (CPL)
DATE INSTALLED OR LAST MODIFIED	<input type="text"/> 1956

**GENERAL TANK AND MATERIAL HANDLING DATA**

MATERIAL DESCRIPTION	Gasoline		
TANK CAPACITY (GALLONS)	<input type="text"/> 2,561,412	ANNUAL THROUGHPUT (GALLONS)	<input type="text"/> 148,919,274
TANK TYPE	<input type="text"/> 02	SOURCE	<input type="text"/> 01
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER	<input type="text"/>
(06) OTHER	<input type="text"/>		

**ADDITIONAL VAPOR PHASE DEGREASING DATA**

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>	TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F.)	<input type="text"/>	METHOD OF VAPOR RECOVERY	<input type="text"/>
		Please choose from below	
		(01) Incineration;	<input type="text"/>
		(02) Refrigerated Liquid Scrubber;	<input type="text"/>
		(03) Refrigerated Condenser;	<input type="text"/>
		(04) Carbon Adsorption;	<input type="text"/>
		(05) Vapor Return System;	<input type="text"/>
		(06) No Recovery System;	<input type="text"/>
		(07) Other	<input type="text"/>

**ADDITIONAL MATERIAL HANDLING DATA**

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text"/> L	NUMBER OF PUMP SEALS	<input type="text"/> **	NUMBER OF COMPRESSOR SEALS	<input type="text"/> **	NUMBER OF IN-LINE VALVES	<input type="text"/> **
NUMBER OF SAFETY RELIEF VALVES	<input type="text"/> **	NUMBER OF FLANGES	<input type="text"/> **	NUMBER OF OPEN-ENDED LINES	<input type="text"/> **	NUMBER OF SAMPLING CONNECTIONS	<input type="text"/> **

**MATERIAL DATA**

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
2,2,4 TMP	<input type="text"/> 540-84-1	<input type="text"/> 0.00E+00
Benzene	<input type="text"/> 71-43-2	<input type="text"/> 1.29E-02
Biphenyl	<input type="text"/> 92-52-4	<input type="text"/> 0.00E+00
Cresols	<input type="text"/> 1319-77-3	<input type="text"/> 1.50E-03
Cumene	<input type="text"/> 98-82-8	<input type="text"/> 9.26E-03
Ethylbenzene	<input type="text"/> 100-41-4	<input type="text"/> 1.34E-02
Hexane	<input type="text"/> 110-54-3	<input type="text"/> 7.80E-04
MTBE	<input type="text"/> 1634-04-4	<input type="text"/> 0.00E+00
Naphthalene	<input type="text"/> 91-20-3	<input type="text"/> 1.97E-02
Phenol	<input type="text"/> 108-95-2	<input type="text"/> 5.25E-02
Styrene	<input type="text"/> 100-42-5	<input type="text"/> 4.91E-02
Toluene	<input type="text"/> 108-88-3	<input type="text"/> 0.00E+00
Xylenes	<input type="text"/> 1330-20-7	<input type="text"/> 0.00E+00

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

\*\* Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

## SECTION 5, PART B

(TANK 200 - CPL)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A	GROUND ELEVATION (FT)	N/A
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)	
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)	
		STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS		
					(LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC				7.1E-01			
LEAO							
2,2,4 TMP	540-84-1			2.7E-03			
BENZENE	71-43-2			3.1E-03			
BIPHENYL	92-52-4			0.0E+00			
CRESOLS	1319-77-3			0.0E+00			
CUMENE	98-82-8			6.1E-05			
ETHYLBENZENE	100-41-4			4.7E-04			
N-HEXANE	110-54-3			4.9E-03			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			9.8E-05			
PHENOL	108-95-2			0.0E+00			
STYRENE	100-42-5			3.5E-05			
TOLUENE	108-88-3			4.7E-03			
XYLENES	1330-20-7			2.3E-03			

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

**DEQ USE ONLY**

DEQ PLANT ID CODE	[ ]	DEQ PROCESS CODE	[ ]	DEQ STACK ID CODE	[ ]
DEQ BUILDING ID CODE	[ ]	PRIMARY SCC	[ ]	SECONDARY SCC	[ ]
DEQ SEGMENT CODE	[ ]				

**PART A: GENERAL INFORMATION**

PROCESS CODE OR DESCRIPTION	Storage of petroleum products
STACK DESCRIPTION	N/A
BUILDING DESCRIPTION	Tank 201 (CPL)
DATE INSTALLED OR LAST MODIFIED	1956

**GENERAL TANK AND MATERIAL HANDLING DATA**

MATERIAL DESCRIPTION	Diesel		
TANK CAPACITY (GALLONS)	2,762,508	ANNUAL THROUGHPUT (GALLONS)	239,528,142
TANK TYPE	01	SOURCE	01
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER	[ ]
(06) OTHER	[ ]		

**ADDITIONAL VAPOR PHASE DEGREASING DATA**

MANUFACTURER OF DEGREASING AGENT	[ ]	TANK SURFACE AREA (SQ. FT)	[ ]
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F.)	[ ]	METHOD OF VAPOR RECOVERY Please choose from below	[ ]
		(01) Incineration;	[ ]
		(02) Refrigerated Liquid Scrubber;	[ ]
		(03) Refrigerated Condenser;	[ ]
		(04) Carbon Adsorption;	[ ]
		(05) Vapor Return System;	[ ]
		(06) No Recovery System;	[ ]
		(07) Other	[ ]

**ADDITIONAL MATERIAL HANDLING DATA**

PHYSICAL STATE (SEE NOTE BELOW)	H	NUMBER OF PUMP SEALS	**	NUMBER OF COMPRESSOR SEALS	**	NUMBER OF IN-LINE VALVES	**
NUMBER OF SAFETY RELIEF VALVES	**	NUMBER OF FLANGES	**	NUMBER OF OPEN-ENDED LINES	**	NUMBER OF SAMPLING CONNECTIONS	**

**MATERIAL DATA**

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
2,2,4 TMP	540-84-1	0.00E+00
Benzene	71-43-2	ND
Biphenyl	92-52-4	7.10E-04
Cresols	1319-77-3	2.40E-04
Cumene	98-82-8	2.90E-04
Ethylbenzene	100-41-4	2.90E-04
Hexane	110-54-3	0.00E+00
MTBE	1634-04-4	2.40E-02
Naphthalene	91-20-3	1.70E-03
Phenol	108-95-2	2.60E-03
Styrene	100-42-5	0.00E+00
Toluene	108-88-3	5.00E-04
Xylenes	1330-20-7	1.22E-03

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

\*\* Emissions for all pump seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

## SECTION 5, PART B

(TANK 201 - CPL)

**OPERATING DATA**

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

**POLLUTION CONTROL EQUIPMENT**

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

**VENTILATION AND BUILDING/AREA DATA**

ENCLOSED? (Y/N)	N/A	GROUND ELEVATION (FT)	N/A
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)	
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)	
		STACK EXIT TEMPERATURE (DEG. F)	

**AIR POLLUTANT EMISSIONS**

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC				3.1E-01			
LEAD							
2,2,4 TMP	540-84-1			5.0E-03			
BENZENE	71-43-2			0.0E+00			
BIPHENYL	92-52-4			2.4E-05			
CRESOLS	1319-77-3			4.5E-05			
CUMENE	98-82-8			8.3E-04			
ETHYLBENZENE	100-41-4			2.2E-03			
N-HEXANE	110-54-3			2.2E-02			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			2.9E-04			
PHENOL	108-95-2			4.7E-04			
STYRENE	100-42-5			0.0E+00			
TOLUENE	108-88-3			1.1E-02			
XYLENES	1330-20-7			7.5E-03			

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

\* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION